

FIGURE 1-A

ICAM REGION GENOMIC

>19:10203901-10296400

1	agcgagactc	cgtctcaaaa	aaaaaaaaaa	aaaaaaaaaa	gccaggcgag	gtgactcaca
61	cccataatcg	cagcactttg	ggaggccaag	gcgggcagat	cgcttgagcc	cagaagtgtg
121	agatctgcct	gggcaacaYg	gcgagaccct	gtctctatga	aacaagaaaa	aagaaagaaa
181	cgaaatactg	ttccatcatt	tgccacataa	aatctaaact	ctctggtgca	gaacagactt
241	gcaaactctgc	ctgtaaaatc	atacacggga	ttttggagta	gacacacagg	aggctgattg
301	tagtggtggc	ttctgggaga	agaactgggg	ggtagggggc	acagataaga	gtagacagaa
361	ttttcactct	agtaatcttt	gtaatttttg	aaattctctc	taccaggtgt	atgaatgacc
421	aatgaaaata	tacaataggc	caggcgagct	ggctcacgcc	tataatcccc	gcactttggg
481	aggctgaggg	gggtggatca	catgaggtca	ggagtcagag	gccagcctga	ccaacatggt
541	gaaaccttgt	ctctacgaaa	aatacaaaaca	ttagtcaggt	agggagcatc	acttgagaac
601	aggagttcaa	gaccagcctg	gacaacaaag	caagacctct	gcctctacaa	aaaaaaaaaa
661	aaaaaaaaaa	aattgctggg	catggtggaa	catgcctgtg	gcctcagcta	cttaggtggc
721	tgcagcagag	gatcatctga	ggccaggaat	tcaagactac	agtgaactat	aatcgttaca
781	ctgcactaca	gactggtaac	agggtaggat	cctgtctcaa	aaacaacagc	aacaaaaata
841	acgattaaaa	gaccttttaa	agttgcaaaa	tacatagagt	cttaaacatg	catccacagt
901	tatttattta	tttatttaga	aacggagttt	cactcttgtt	gcccaggctg	gagtgcaatg
961	gtgcggtatc	agctcactgc	aacctccgcc	tcccaagtta	aaggaaattct	gcctcagcct
1021	tccaagtagc	tggatttaca	ggcatggccc	accatgctcg	gctaattttg	tatttttagt
1081	aaagatgggg	ttttggcata	ttggccagga	tggtttcgaa	cccctgacct	caggtgatcc
1141	acccgcctcg	gactcccaaa	gtgctaggat	tataggcatg	agccaccacg	cccggccgca
1201	ttcagttatt	cttgcaggga	taaaatacac	aatgaaatac	actatacttt	ttgttttctt
1261	tcttttcttt	tttttttttt	ttttgagaca	gagtcctact	cgctgcagtg	gctggagtgc
1321	ggtgcgggat	ctcggctcac	tgaacctctc	gcctcctggg	tgaagcgat	tctcctgcgt
1381	cagcctcccg	agtagctggg	attacaggtg	cccgccacta	cgcccagcta	atttttttgt
1441	atttttagta	gagataaggt	ttcaccatgt	tggccaggct	ggtctcgaac	tcctgactcg
1501	tgattcgccc	accttggcct	cccaaagtgc	tgggattaca	ggcgtgagcc	accgcacccg
1561	gccacatttt	tttttttttt	tttttgagac	aggatcttag	tctgtcaccc	aggctggagt
1621	acagtggcat	gaacatggct	cactgcagcc	tcaatctctt	gggttcagggt	gatccttctg
1681	ccttagcctc	cccattagct	gggaccacag	gcataatacca	tcacacctag	ctaattttta
1741	aatttttggg	agaggccagg	cgcggtggct	cacgcctgta	atcccagcac	tttgggaggc
1801	cgagtcgggt	ggatcacctg	aggctcgggag	ttcgagacca	gcctggccaa	aatggtgaaa
1861	ccctgtctct	actaaaaata	aaaaataaaa	ataaaaatta	gctgggcgta	gtggcgggcg
1921	cctgtaatcc	cagctactcg	ggaggctgag	gcaggagaat	cgcttgaaac	caggaggcag
1981	aggttgcagt	gagccaagat	cgcgctactg	cactccagcc	tgggcaacag	agtgagattc
2041	tgtctcaaaa	aaaaaataat	aataatgcta	tttattgact	ttacaccttg	taccaggcat
2101	gggaaagcttt	gcctccatta	cgctcactgaa	tctcataaacc	tccttttcca	gcagaggaaa
2161	atgaggttgg	ttcacagacc	acgttgtcag	ctgtgctctg	tccagaacgc	actggcctcc
2221	aagtagacag	ccctggactg	gtagggaagc	cggctatgat	ccggtggcgc	cccctggagg
2281	tctatcgga	acatggtaaa	gaacctaaaa	atgggtgggc	cacagttagct	catgcctgta
2341	atcccagcac	tttgggggac	caatgcggga	gaattgcttg	agcccaggag	ttcaagacca
2401	gcctgggcaa	cattggggaga	cccacccccc	gccatctcta	caaaaaaaa	attaggccgg
2461	gcgcggtggc	tcaggcctgt	aatcccagca	ctttgggagg	ccgaggcggg	tggatcacct
2521	gaggtcagga	gttcaagacc	agcctggcca	acgtggtgcc	acactgtctc	taataaaaac
2581	acgaaaaata	gggcggggct	cggtggctca	cgctgtaat	cccagcactt	tgggaagccg
2641	aggcgggcgg	atcacgaggt	caggagattg	agaccatcct	ggctaacacg	gtgaaacccc
2701	ctctctacta	aaaatacaaa	aagttagcca	ggtgtggtgg	cgggcgcttg	tagtcccagc
2761	tactcggtaa	gctgaggcag	ggaatcgctt	gaacccggga	ggccgagatg	tgcgatctca
2821	caccactgca	ctccggcctg	ggcgacagag	cgatactcca	tctcaaaaata	caaatacaaa
2881	ataaaaaaat	acaatacaaa	aatgagccgg	gcttgcgta	ctgtagacca	gctactcagg
2941	agacagaggc	aggagaatcc	cttgagctct	ggaggtcgag	gctgcagttaa	gcatgatctt
3001	tgccatttgc	actccagcct	gggcgacaga	ggaagacctt	gtctctaaaa	acaaaaacaa
3061	agaaactaaa	aataagcatt	cggatttgtt	agggggcgac	aagggaggca	ctccaggatc
3121	tgtggactcc	ccactttgtt	ctgtccttgg	agagccctgg	aaggtctgag	aggggacggg
3181	acctggttta	agggggtagg	ggagaggacc	ctggtctagg	gggtaaggga	cacaaatacc
3241	taatctgagg	ggtttcgggg	ggacatggcc	ctgccctggg	gaatctaaac	tgggaggcat
3301	ggtctggcag	gccaatccct	gaaggcttcc	tgagggcaat	aaggccctgc	ctttaacaaa
3361	atgaaaaaac	gccaggcacg	gtggctcacg	cctgtaatcc	cagcactttg	gaaggctgag
3421	gcgggaggat	cacgaagtca	ggagatcgag	accatcctgg	ctaacgcggt	gataccgcgt

FIGURE 1-B

3481	tctactaaaa	atacaaaaaa	ttagccaggc	gtggtggcgg	gcgcctgcag	tcccagctac
3541	tcgggaggct	gaggcaggag	aatggcgtga	accaggagg	cggagcttgc	agtgagccga
3601	gatcgcgcca	ctgcactcca	gcctgggcaa	cagagcaaga	ctccgtctca	aaaaaaacaa
3661	aaacaaaaac	aaaaacaaaa	acaaaaaaac	aaataaaaaa	acaaaaaccac	ataactggat
3721	aaagaaaaaa	ccatctccga	cagccttggg	ggcgggatga	aggcgtggcc	cgggtggcgt
3781	gaaccaacagc	aaaagtttaa	gcgttattgg	ctgtattcct	tagttgctca	ctccagaact
3841	gcccacttat	gggcgggggt	cactccttca	ggcttaacag	tcatttggctg	aattggggcca
3901	gagaggtctc	attggctgaa	ttctcgcacc	ggctcgtcgg	aggcgggacc	caaagtaggc
3961	taggccttacg	gaagctgggt	cttcttgcctg	tgaggtcgcg	ttccccagtg	ttacggaggg
4021	tccttgaggc	aggagtgaag	attgggtctg	ggggttagtc	ctgggggtgga	ggtctgggca
4081	cgccgggtcg	gacccctcc	atcttcggtt	ttgcacaccc	cgctttccag	cgcgagctcg
4141	cggcgggtag	ggcggcgtcg	cgtgcgtgac	gtcatccagc	ggcgcctcgc	gaggctccag
4201	tggccttgac	ctcccgcgcc	gtgggagcgt	gcgcggcgat	gctgcagttc	gtccggcccg
4261	gggcgcgggc	ctggcttcgg	cctaccggca	gccagggtgag	gccaggggct	ggaggcgtgg
4321	tcgaaggatg	aaatttgagg	gtgtccaggg	gtcgtctctc	actttcgccc	aaccttgcga
4381	gggcctgagt	tccttgccgg	aagaggcagc	gcgtgcgacc	gagaacccgg	agcagggtggc
4441	gagcaggggt	aaggcaaccg	gggtggctcc	aggaggggcg	gcgacagaga	ggtctgaccc
4501	ttgaccctaa	cctctgaccc	ccgcaatcgc	tccaggctctc	ccggagcccg	tgctgcgcaa
4561	agtcgagctc	ccggtaccca	ctcatcgacg	cccagtgacg	gcctgggtcg	agtccttgcg
4621	gggcttcgag	caggagcgcg	tgggcctggc	cgacctgcac	cccgatgttt	tcgccaccgc
4681	gcccagggtga	gcgagggctg	taattggtgaa	ctgagtggca	gagggatgaa	gagcgggtatt
4741	tcaggagtca	cgatgacttt	gggcttgtac	ccttgggaaa	gtgctgtatt	tctacagcct
4801	ccgtttctcc	acctgtcaaa	ggggaatgat	gacagtttcc	cctgctgtag	cgctgtgtga
4861	gattgaagcc	tgagaggtga	catcatctaa	gggttaggga	gacagaattc	tggagcccgga
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5161	taagaaaatg	taggggccac	cctgggcgca	gtggctcacg	cctgtaatcc	cagcactttg
5221	ggaggccaag	gcgggcggat	cacgaggtca	ggagatcgag	accatcctgg	ctaacatggt
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5761	agacagactc	catctcaaaa	aaaaaaacag	gtgaaattga	tttcaataat	gtatttaacc
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6361	ctgagaaaaga	accatccagg	agaagagtgt	ttcaggcaga	gggaacagca	agtgccaagg
6421	ccctgaggca	gaatttcaag	atggggctcag	tgaggggcag	aggcaaatcg	cccaggggccc
6481	tggaggcaga	agggagaatc	ctgggttttc	ctatagtggg	gtgggagcgt	ttgaagcaga
6541	gttgggcttc	tcatgtgtcc	ttctcccccg	caggctggac	atactgcacc	aggttgctat
6601	gtggcagaag	aacttcaaga	gaattgtgag	tgccataaatg	gagcaaggtg	gtgggaagga
6661	gcttcctggg	gaggttgggg	ataggaccca	gaggaagccc	atcgctgggt	tttctctgga
6721	ctgctcggct	ggggcctcat	ctgtctcctg	aactattcac	cgatgggtcc	atttttgggt
6781	ctcttttttt	tgtttgtttt	tgagatggag	atggagtctc	actctgtcac	ccaggctgga
6841	gtgcagtggc	gcaatcttgg	ttcactgcaa	cctccgcttc	ctgggttcaa	gcgattctcc
6901	tgctctgccc	tcctgagtag	ctgggattac	aggtgtgcac	caccatgcag	gctaattttt
6961	gtatttttag	tagagatgga	gtttcaccat	gttggctcagg	ctggtctcaa	actcctgacc
7021	tcaaggaacc	tacctgcctt	ggcctcccaa	agtgtctggga	ttacaggcgt	gagccaccgt
7081	gccagctca	ttttcagttg	ttttctgata	actcactgat	gtgggcattg	tggtgggtga
7141	gaggatatag	cagggaaccac	gaggacaaaa	caggcaaggt	ccggctgtgt	gcaagtggct
7201	caggcctgta	atcccagcac	tgggaagctga	ggtgggtggg	ttgcttgggg	ccaggaaaga

FIGURE 1-C

7261	ccagcctggg	aaacagcaag	acccagtc	taccccttcc	cccacaaccc	caagaaaaag
7321	atgggcaaag	tccctattct	aatgaaggtc	acagtgtcat	gggaggagaa	gtgaagggtga
7381	gtcagatggt	catacgtaat	gtgtaattat	gagcatgtcc	cagagaatgg	gacgttcaac
7441	cttgggtcta	ctgtagaagc	taaccagatc	aaggaggcag	tggggctagt	gtggagataa
7501	caggaaacagg	gtgtgcaaag	gccctgtggc	agggaccaca	aggaagccag	tgttgccaca
7561	gaggccagtg	ggagcagtg	ggaggagtct	gggttttgtg	ccaagaacat	tgaagaatcc
7621	attaccagtc	aggggtcttat	ccatccaccc	cagaggctctg	gccagtcctc	cccctgctca
7681	caccttccct	ggctccccat	caccctagga	ataaagtcac	cagtctgcta	ttctgagttc
7741	ttcctgattt	ccttgccctg	ctcctctffc	ctgattctcc	ctgtctgtgt	catttcccat
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7861	tggctcacac	ctgtaatctc	agcacttttg	gaggccaagg	caggtggatc	acttgaggcc
7921	aggagttcca	aaccagccta	gtcaacgtgg	caaaacccca	tctctactga	aaatacaaaa
7981	aattagctgg	ggccaggtgc	gggtggctcac	acctgtaatc	ccagtacttt	gggagccga
8041	ggcggatgga	tcacgaggtc	gggagatcga	gaccagcctg	accaatatgg	tgaaccccca
8101	tctctactaa	aaatacaaat	attagtgtgg	tgtggcagcg	ggcgcctgta	gtcccagcta
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8221	agatcgcgcc	actgcactcc	agcgtggcgg	acagagcgag	actccatctc	aaaaaaa
8281	attagccggg	catggtgaca	ggcaccgta	atctcagcta	ctagggaggc	tgaggcagga
8341	gaatcgcttg	aatctagga	tcagaggttg	cagtgcagcca	aggtcacacc	acttgcactc
8401	cacagcctgg	gtgacagagt	gagactgcct	caaaaaaaaa	aatcaatagt	tcagaaaaa
8461	ccgagcaccc	cctgcgtgcc	cggtggcagg	gccctgcct	ttgtgaggct	ggcatggggc
8521	aggagctgtg	acttctttac	cctccccctc	gctcccaag	tactctgtgc	ttggccagag
8581	agagcccgct	atcatggtgc	ctcctgtctg	acttccccgt	ggcaggactg	atctgcccgg
8641	ctccctgaca	cctgcctcgt	ggacctgacc	cccctcctct	ttgtgcctcc	agagctatgc
8701	caagaccaag	acgagagccg	aggtggcggg	cggtggcccg	aagccttggc	cgcaaaaagg
8761	cactgggcgg	gcccggcatg	gcagcatccg	ctctccgctc	tggcgaggag	gtaacaggac
8821	aggtgtggag	gggcggggag	gggtgggggg	gccagggaag	ggcctgggtg	tttactcaca
8881	cacagctgcg	cacatctggc	atggtattat	gtcagccctg	ttccctccac	ctcatggaac
8941	cacctgggct	ggtgacatcg	gaactgcagg	ccttggacct	cactaccctg	ataaggggac
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9181	gaactcctga	ccttgtcatt	gtggcgccctg	gtggtgcac	acctttcccc	ctcatccctc
9241	cctttccctc	tctgaccagg	cagagatgac	tctctcttgt	tttttcgggt	gtgtttgttt
9301	tttaactttt	attttcttga	atgctaacaa	gatgactcag	ggtgtgtcca	gccaccccat
9361	cacctgttta	cctggccagc	tctcctcacc	tttcagggtt	ctgggccaca	cctcctccag
9421	gaagccccc	ttgatctcct	ttccttcac	atcccccgga	gctaccctga	tttctctac
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9541	gttgtcttct	ctgctgcatt	tccaaggccc	aggcgagggc	agacaccaac	acatggtgct
9601	tgcaggggtc	tccttgactg	ttgttgctcc	cagatcatac	tgttgcctcc	accggagcat
9661	gtgctctgat	ccttctctc	ccgcttgacc	tgaagtttcg	aacctcctga	taacttcagc
9721	attaacagcg	tgtttgagtt	aagttcacac	tctagccact	ctatggaatc	cacaccataa
9781	ctcatggtgt	cctatggggc	aggaactgtc	cgatctcaag	gtggtttgtt	ttttttattg
9841	tttgcttttg	agacaagatc	tcgctctgtt	gcccaggctg	tagtgagctg	gtgcaatcat
9901	agctcactgc	agccttgagc	tcctgggctc	aagtgatcct	ccatcctcag	cctcccaaaa
9961	tgtgtgtgtg	agccaccttc	gccagccctg	tctcagagt	tgacagctgg	gaaaactgaa
10021	gcccagtgaa	gcaaagtcac	tgggtccatg	ttgtccctga	tccagcctcc	cctgaggccc
10081	cacctctctc	gccttgttcc	tggcagcgcc	ccctctctcg	tcaccccatg	ccagccactg
10141	cagcagattg	ctgacctcca	ggctctgcag	tggcccttac	ctgctcacat	gcctctgtcc
10201	ccgcaggagg	tgttgcccat	ggccccggg	gccccacaag	ttactactac	atgctgccc
10261	tgaagggtgc	ggcgctgggt	ctcaaagtgg	cactgaccgt	caagctggcc	caggtacagc
10321	catggggggg	cccagacagc	tgctagaggt	ggggctgtc	tggacccagg	gttcaaacca
10381	tcctttcctt	ccaccaggac	gacctgcaca	tcatggactc	cctagagctg	cccaccggag
10441	acccacagta	cctgacagag	ctggcgcact	accgcccgtg	gggggactcc	gtactcctcg
10501	tggacttgtg	agggcacagg	gcagagcagg	ggcagggggc	cctgagctcc	gtactctgag
10561	ggttcaaccc	ccactccctg	gcctctctta	cagaacacac	gaggagatgc	cacagagcat
10621	cgtgaggcc	acctctagcg	ttaagacctt	caacttgatc	ccggctgttg	gtgagcaaa
10681	agcccaggcc	cctagagtgc	gcatgtgcag	gctccgctgt	tagaatcaca	gcggttcaaa
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10861	ttgtaatccc	agtactttgg	gaggccaagg	cagtctgggc	aatatagtga	ggctcccatc
10921	tgtactaaaa	ataaaaaagt	taggcgtggc	gatgtgcacc	tgtagtccca	gctactcggg
10981	ggctgagcca	ggcgatagc	ttgagctcag	ggggccaagg	ctgcagttag	tcagtatcgc

FIGURE 1-D

11041	accactgcac	ccaaacctgg	ggagagagct	agactcttgt	ctcaaaaaaa	aaaaaaaaaa
11101	aaaaaaaaaa	gctccaaagt	cacctctgtc	aaagccacag	tctgttcctt	ccacagccac
11161	aagatggcga	catgagccta	agtcaagtcc	tgccctcaa	cccacgcccc	tcgctggctt
11221	ccccacctct	ctcaggatga	aagcccaagt	catcagggtg	gcacgtcagg	ccctgcacga
11281	tgtgccccgt	cacctccctg	ccctcccgtc	atttgccctg	ggctctcccc	accagaatgg
11341	gagccaggag	tcccagccag	gcacaggacc	gagcctggct	ctcggtcagc	aggtgatgag
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11461	ccgggctgct	gggctcaca	agtcaacta	gaccacagt	acgatctctg	taagcaca
11521	gggactccga	tgtgggtggg	gtgaggagag	aggcagcccc	ggcctgaccg	gcccccgcc
11581	ccgcccccac	cccgccecca	ggcctaaatg	tgcacagcat	gctcaagcac	cagacgtgg
11641	tcctgacgct	gcccaccgtc	gccttcctgg	aggacaagct	gctctggcag	gactcacgtt
11701	acagaccctt	ctacccttcc	agcctgcctt	acagcgactt	ccccgaccc	ctaccaccg
11761	ctaccagggg	cccagcgccc	accccgctacc	actgttgawg	tgaagcacct	cttctgagcc
11821	aggccgagcc	cctggccgac	ttgggagcct	Yaggcccacg	cccacccttc	gaggaagggtg
11881	tcacctggac	cccttcattc	cacggaggaa	gctgaggcca	cagggagcgg	ccatcgccat
11941	tgggaagggg	cgactccacg	gaRagccag	acgggcttct	gcattccattc	cctctttttg
12001	tttttaaaat	aaattgtatt	tttgaatcaa	ggaggataaa	gataacttct	cagtgtcatt
12061	tttgataatt	gcattgagaa	cgatgagctc	cttcccaggt	tctgggcact	gttggggatc
12121	cgcggtctca	agaggctcac	ggctgtggtt	aggggaaccc	cagggctggt	tgtggaaatt
12181	acaagaattc	acttaccggg	tgagtacagc	tccaggagct	cacaggtgcg	tgggcgctgg
12241	cacttcctag	gagctgactc	ctgccacatc	cctctcctga	gcactgctgc	cagccattct
12301	cacccttgag	agggtttgca	gtcctgtctg	cgacagtact	tcattgcagcc	tgagagtgtg
12361	tgcttgattg	tacaagtaga	tgttgtgtaa	acctgagttt	tcagagtgc	ttcctgtaag
12421	cacagtcaga	aaagttaaag	tctctctgta	agtgagcaga	taagcacatg	cttaaaaaa
12481	ccagctgggc	gtggtgactc	gcacctgtaa	ccctagcact	ttgggagggtc	aaagtggaag
12541	gatcgtttga	gctcagagct	tccagaccag	cctgggcaac	atggtgaaac	cccattctctg
12601	caaaaaatat	aaaaattaa	tggtgctggt	ggcgccacc	tgtggtccca	gctacttggg
12661	aggctgaggt	gggaggatca	cctgagccca	ggaagcagag	gttgagtgta	gctgagactg
12721	agccaccaca	caccagcctg	ggtagacagag	tgagacactg	tcttaaaacc	ccaatatccc
12781	aatttttgag	tttgctgagg	ttgccagcca	agttaatttt	tcttaacagc	cataacagac
12841	tataatatag	acaatgtgat	cgatttattt	aaagtcaacc	agctgggcgc	ggtggctcac
12901	gcctataatc	ccagaatttt	aggaggctga	gccagggtga	tcaccggaag	tcaggagttc
12961	gagaccagcc	tggccaagcc	gggagtgggtg	gcgggcacct	gtaatcccag	ctacttagga
13021	ggctgaggtg	ggagaatcgc	ttgaaccag	gaggcagagg	ttgcagttag	ccaagatagc
13081	gccactgcgc	tccagcctgg	gtgacagagc	aagattccat	ctataataaa	ataataaat
13141	aaagtcaatc	aggactgcct	tctgcctgtg	tgggcctggc	caggctaagc	agccacacaa
13201	ccctccctac	ctgctgggct	ccctcggtgc	gaaaacctct	ctgggaatgcc	tctctgggga
13261	ttgccttcag	agattgcaac	acattctcca	aa'cacctca	gtggacatag	actttgatcc
13321	ttgaagcagc	agatttgact	aagtaaaaa	gaaaaagcta	ttaaaaccag	ttggctgggc
13381	gcggtggctc	acgcctgtaa	tcccagcact	ttgggaggcc	gaggcaggcg	gatcacgag
13441	tcaggagatc	gagactatcc	ttgctaaccac	agtgaacccc	catctctacc	aaaaatacaa
13501	aaaattagcc	gggcgtgggtg	gtgggcgcct	gtagtcccag	ctactcagga	gactgaggca
13561	ggagaatggt	gtgaaccccg	gaggtggagc	ttgcagttag	ccgagatcgc	gccactgcac
13621	tccactccag	cctggcgaca	gagctagact	gtctcaaaaa	aaaaaacaga	ggcgtgccaa
13681	agctcagcag	aaaatgccgc	ctcatcactc	ttcctcttgc	cagtcttgtg	ggggcaccaa
13741	ggcctagagt	aacacccagc	tggtggcctg	acagtgcctg	gcccagcctg	gagagtgtga
13801	gccagaagta	taaattgtgt	tcagtctgcg	tcatacctgt	caggaaacat	ggtgagacca
13861	actgctgccc	agacggattt	tcaaaagaaa	tgggtcagaa	cgtattcccc	cacactggaa
13921	tccctcagcc	agattgagga	taaaaacagg	catcagaaaa	aaatgatata	ggcaggcctg
13981	gtggctcatg	cctgtaatcc	cagcactttg	ggaggctgag	gcgggaggat	cgccctgagca
14041	caggagtgtg	agaccagcct	gggcaacaca	gtgagaacct	atctctacta	aaaatagaac
14101	aattagccag	gcacgggtgtg	gtggctgtgg	tcccagctac	tctggaggct	gaggtgggag
14161	gatcacttga	gccctagggg	tagaggctgc	agtgagcgga	gatcacccca	ctgcaatcca
14221	gcctgggcaa	cagatcaaga	ccctgtctca	aaaaaaaaaa	aaagaaaaga	aaacaaaaga
14281	aaaatatgat	acactgacta	gaatgtgctt	taaaataatt	ggcatagtgtg	ggtatggtgg
14341	catgcacctg	cagtctcacc	tacttgaaa	gctgtggcca	ggagtgttag	accagcctgg
14401	gcaacacagc	aagacctcat	ctctataaaa	aataggcggg	gagcagtggc	tcacgcctgt
14461	aatcccagca	ctttgggagg	ccaaggcagg	cggatcacta	gaggacagga	gttcaagacc
14521	agcctggcca	acatggtgaa	accccatctc	tactaaaaat	acaaaaattg	gcaggatgtg
14581	gtggcggggtg	cctataatcc	cagctacttg	ggaggctgag	gcaggagaa	cgcttgaaac
14641	tgggaggcag	aggttgcagt	gagccgaggt	catgacactg	ccctcaaac	tggtgacag
14701	agcaagactc	ggtctcgaaa	aaaaaaataa	tgaatgaatg	aattaattca	ttaattaaat
14761	agggggggta	tatgagtttg	ttagggctgc	cgtaggagtg	ccacaaactg	caggggttgg

FIGURE 1-E

14821	gggggttagt	caacagaaat	ttattctgtc	ctgtttctgg	aggctggaag	tccaagggtga
14881	agaacagggt	tagctccttc	taagggaaaa	tctgttccag	atccctctcc	tagcgtctgg
14941	tggtttgctt	tgctgactat	ctttgacatt	ccttggcttg	tagccacact	gcttcagttct
15001	ccaccttcat	ctttacatga	tgttgtccct	gtgggtatgt	gtctgtttct	gtgtctaaat
15061	ttctcctttt	tatttttttc	ttttttctct	atcttttttt	ttagacggag	tcgcgtctcg
15121	ttgccagggc	tggagtgcag	tggctcgatc	tcggctcact	gcaacttctg	cctcctgggt
15181	tcaagcgatt	ctcctgcctc	agcctcccaa	gtagctggga	ttacaggctc	ccaccacat
15241	gcctggctaa	tttttgtgtt	tttagtagag	aagggttttc	gccatattgg	ccaggctggt
15301	aacctcagg	gatccaccgc	ctttggcctc	ccaaagtact	gggattacaa	aaagttagcca
15361	ccgaacctgg	cctatttttt	cattttattt	tagacagagt	tttgcctctc	ttgtccaggc
15421	tagagtacaa	tggcgcaatc	tcggctaata	tcaacctccg	cctcccgggt	tcaggcgatt
15481	ctcctgcctc	agcctcccaa	gtagctggga	ttacaggcat	acgccacaat	gcctggctaa
15541	ttctgttttg	ttagcagaga	tgggttttca	ccatgttggt	caggctgtgc	tcgaactccc
15601	gacctcagg	gatccaccga	cctcagcctc	ccaaagtgtc	gagattacag	acacgagcca
15661	ctgagcctgg	ccctctcctt	tttattttta	aaatatattt	tgtggacggc	agcagtggt
15721	cacacctgta	atcccagcac	tttgggaggg	cgaggcgggt	ggatcacaa	gtcaggaact
15781	cgagaccagc	ctggccaata	tgggtgaagg	ccatctctac	taaaaataa	tactgagcca
15841	aggcatggcc	gggcgcgggt	gtcacgcctc	gtaatcccag	cactttggga	ggccgaggcg
15901	ggcggatcac	gaggtcagga	gatcgagacc	atcctgggtt	atagcgtgaa	accccgctct
15961	tactaaaaat	acaaaaaaa	aattagctgg	gcgaggtggc	agggtgcctg	agtcaccagt
16021	actcggagg	ctgaggcatg	gaagtgtcgt	gaaccgggga	ggcggagctt	aggctgagct
16081	gagatcgcc	cactgcactc	cagcctgggt	gacagagtga	gactccatct	caaaaaaaaa
16141	aaaaaaaaat	ttagccaggc	gtgggtgcag	aagcctgtag	tcgcaactac	ttgggaggct
16201	gaggcaggag	aatcacttga	acccaggagg	tggaggttgc	agtgagccga	gaccacatca
16261	cggcacatct	aaaaaaaaaa	aaagttttct	gtttttgttt	tttgcaaaac	tactgaaata
16321	aatacagtga	gatattttat	tataaatgag	aacgaattaa	taatgagccg	taggctgggt
16381	gtgggtggctc	atgcctataa	tcccagcatt	ttggggggcc	aaggcagggtg	gaacacttga
16441	ggtcaagagt	tcgagaccag	gctgaccaat	atagtggaa	cccattctct	ctaaaaatac
16501	aaaagaatta	gccgggcatg	gtgccggcgc	cctgtaattc	cagctatggg	aggctgaggt
16561	aggagaatcg	cttaaacctt	ggaggcggag	gttgacagtga	ggcgatatca	cgccactgca
16621	ctccagcctg	ggggacagag	cgagactcca	tctctaaata	aataaataag	gagctgtatt
16681	tcaaaatttg	gagaagggtga	cactgagagt	actgaataca	cagttttttg	tttttttggt
16741	tttttttgag	acagagtctc	gctctgtcac	ccaggctgga	gtgcagtgtg	gtcactcgg
16801	ctcactgcaa	tctctgcctc	ccggttcaag	caaactctct	gcctcagcct	cccgcgtagc
16861	tgggattaca	ggcacgcctc	cccatgcctg	gctaattttt	gtatttttag	tagagacggg
16921	atttcaccat	attggtcagg	ctgatctcaa	actcctgacc	tcgtgatctg	cctgcctcgg
16981	cctcccaaag	tgctgggatt	acaggtctga	gccaccgagc	ctggcccca	aaaaatttta
17041	tcaaaactat	gttaatgctg	gccgggtgcg	gtggctcatg	cctgtaatcc	cagcactttg
17101	ggaggccgag	gcaggtggaa	cacgaggtca	ggagattgag	accatcctgg	ctaacacggt
17161	gaaaccccg	ctctactaaa	aaatacaaaa	aattagccgg	gcgcgggtgt	gggtgcctgt
17221	agtccagct	actcaggagg	ctgaagcagg	agaatggcag	gaaccggggt	ggcagaggtt
17281	gtagttagct	gagatcgcc	cattgcactc	cagcctgggc	gacagagcga	gaatccgtct
17341	cgaaaaaaa	aaaaaaatac	acacacacac	acaaaaactg	tggttaatgct	taactacaca
17401	aaaatgataa	tcagataaat	atgcatttat	ttagagaact	gcattgttgt	cagtcagctc
17461	cctgcagagg	gaattcccag	catgacctca	ttcacttgtg	aagacagagc	aatccttgtg
17521	ttttattttt	ttaagatgga	tctcactctg	ttgcccagac	tggagtgcag	tggcatgac
17581	tcagccctct	gccacctcca	ccttccgggt	tcaagagatt	ctcatgcctc	agcctcctga
17641	gtagctgaga	ttacaggctt	gtgcctccat	gcccagctaa	tttttttatt	tttactagag
17701	atgaggtttc	accagttttg	gcaggccggt	ctcaaactcc	tgacctcaag	tgatccaccc
17761	acctcgccct	cccgaagtgc	tgggatgaca	ggtgcctggt	cagcaactgt	tgtttagaca
17821	tacacatttt	atctgctcgt	ccagcatggt	cagccctcca	ctttttaaat	tttattttat
17881	ttattttttt	gagacagagt	ctcactctgt	tgtccagggt	ggagtccagt	ggcgtgattt
17941	cggctcactg	caacctctac	ttcccagggt	cgagcaattc	tctgcctca	gcttcccag
18001	tagctgggat	tacaggcccg	cgtccccaca	cctagctaat	ttttgtattt	ttagtagaga
18061	cagggtttca	ccatgttggt	caggctgggt	tcgaactcct	gacctcaggt	gattctcctg
18121	ccttggcctc	ccaaagtgtc	gagattacag	gtgtgagcca	ctgcacacgg	ccttaaat
18181	tattttattat	ttattttatt	atttatttag	agacttagtc	tcactctgtt	gccaggctg
18241	gagtgacgtg	gcatggctct	ggctcactgc	actccacctc	ctgggttcac	gccattctcc
18301	tgcctcagcc	tcccagtag	ctgggactac	aggcgccac	caccactccc	ggctaatttt
18361	tgtattttta	gtagagatgg	ggtttactg	tgttagccag	gatagtctcg	atctcctgac
18421	ctcgtgatcc	gcctgcctcg	gctcccaaaa	gtgctgggat	tacttatttt	gttttttgta
18481	gagacagggt	ctcactgtgt	tgccagggt	ggtcttgaac	tctgatctc	aagtgtctt
18541	cccacctcag	tctctcaaag	ggctgggatt	acaggggtga	gccactgcac	cccaccttcc

FIGURE 1-F

18601	ctctactttt	tgacggtttc	cttctgctat	gaatgtgcat	gtccagttgt	ctgcttctta
18661	gaactgatat	ttaccttctt	catccatcag	ccattggagg	aggactggga	ccgctcagat
18721	tattgatctg	accattctct	tcggcagggt	ttcctgggtg	ctgtcttcca	tcacaaaaac
18781	tggaatcaga	agagtttcca	tagccctttt	tttttcccca	catctttgct	gaagcagagt
18841	tttgaaaaa	aaaaccacaa	actaagctat	tccccagaag	aaatctgtaa	tcaaagataa
18901	gctctgccgg	gcacagtggc	tcacgccttt	tggaggccaa	ggcggggcga	tcacctgagg
18961	tcaggagttc	tagacctgcc	aggccaacat	ggtaaaaacct	catctctact	aaaaatacaa
19021	aaattagcta	gatgtggtgg	tgggtacctg	tagtctcagc	tacctgggag	gctgaggcaa
19081	gagaatcgct	tgaacctggg	aagtagaggt	tgcagtggagc	cgagattgca	ccactgcact
19141	ccagcctggg	cgacggagtg	agacgacctc	acaaaaattt	acataaataa	aatgaaaagt
19201	aaaaataaaa	tacaaaagtt	ggccgggtgc	gtttgctcac	gcctgtaatc	ccagcacttt
19261	gggaggggtg	ggcaggcaga	taatgaggtg	agaagatcga	gaccatcctg	gctaaccagg
19321	tgaaaccttg	tctctactaa	aaatacaaaa	aattagctgt	gcgtgggtgac	acgcacctgt
19381	agtcccagct	at ttgggagg	ctgaggcagg	agaatcactt	gaacctggga	ggtggagggt
19441	gcagtggacc	gagatcgcac	cactgcactc	cagcctgggc	cacagagtga	gactccatct
19501	tgaaaaaaaaa	aaaaaataca	aaagttagcc	aggggtgttg	gtgggtgtgc	gtaatccag
19561	ctatttggga	ggctaaggca	gaagaatttc	ttgaacctag	gaaacggagg	ttgcagtggg
19621	ccgagatcac	acctctgtac	tccagcctgg	acaacagagc	gagactttgt	ctcaaaaaaa
19681	aaaaaaaaaa	aaaaactaaa	taggcgggga	gcagtggctc	atgcctataa	tcccagccct
19741	ttgggaggcc	aaggcaggtg	gatcacttga	ggtcaggagt	ttgagaccag	gctggccaac
19801	atggtgtaac	cccgctctta	ctaaaaacac	aaaaattagc	cgggtctggt	ggcgtatgtc
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19921	gttgacagtga	gctgagatcg	tgccactgca	ctctagccag	ggtgacagag	tgaaaactctg
19981	tctcaaaaaa	ttaaaaaaga	aattcagcaa	gtaatgagtt	aagggaattcg	aatattaagg
20041	cgagtgtaca	ggaacgccca	ggatgtggcc	caggatggag	taggggggac	actcatttag
20101	gagaaagctc	aggccacaag	acaggaggag	ccagccttgt	tgggggtgaa	gggaagagca
20161	ttccaggctg	agggaactgc	aaggcgtttg	catgggacac	tatgggatgg	cttctgccct
20221	tgggtgggag	cctctggtct	gaggccattc	tttggcctgc	ctgactgtct	ggcaaccggg
20281	aggaaagcct	gcccttcctg	gagacagaaa	caaaggctta	ggaaatatct	gcttcccttt
20341	tccttgaaaa	acgcttaagg	gaacggagga	ctgggaggtg	ccgtctctct	ctgccagcct
20401	gccccctacc	atagccatcc	cactcccatc	tcagaaaagt	acccgccatc	ctccaaaagg
20461	ctcggaccct	gatcaaggag	tcacccccct	tgtccagca	cctccagttg	gccccactc
20521	caaaacggat	gtcaaattca	gccctttctc	caaggacact	gcccagttcca	ggccccacta
20581	tcattcatct	ggactagaac	agtcacctcc	tctcccatct	cctgggtgca	gctcttgaag
20641	cctcaactgg	gcccctgtga	acacttgagt	tagggcaagg	tccttctctc	gctcagaacc
20701	ctctatacct	cccacctcgc	tgggcataaa	agccaaagtc	ctggccaggc	acggtggtct
20761	acatctgtta	tccagcact	ttgggaggcc	aaggggggag	gatcactaga	ggtcaggagt
20821	tagagaccaa	catggtgaaa	ccccatctct	actaaaaata	caaaaattag	ctaggcgtgg
20881	tgacgcaccc	ctgtagtacc	agctactcgg	taggctgagg	tgggagaatc	gcttgaacct
20941	gggaggcaga	gtttgcagtg	agccgagatc	acaccactgt	gctccagcct	gggtgacaga
21001	acgagactgg	ggttcagaaa	caaaacaaaa	aaacaacaaa	gtcctcctca	ggtgacagga
21061	acttgacact	atctgccctg	tcactccctc	gcccgtcctc	ctcctcgaat	ctctcctttg
21121	ctaagcctgc	tccagccaca	ctgttctcct	ggctgttctc	tttttttttt	tttttttttt
21181	ttttttgagt	ctcactctca	cccaggctgg	agtgcagtgc	ctctatcttg	gctcactgca
21241	acctccgcct	gcccgggttca	agagattctc	ctgcatcagc	ctcccaagta	ggtggaatta
21301	cagggtgtgca	ccaccacacc	cggctaattt	ttgtattttg	catagagatg	ggggtctccc
21361	tatgttgccc	aggctggtct	tgaactcctg	ggctcaagtg	atcctcccat	ctcggcctcc
21421	caaaatgctg	ggattacagg	tgggagccgc	gcccagggtg	at ttttgtct	gactctgttc
21481	attcctgtgt	ccccagtacc	tggaaaggacg	ccaagcacac	agtaggcgct	taaaaaacat
21541	tgagccacat	gttgagaaaa	gaacggcacc	attgtggctg	caagtgggac	ttgggcccgc
21601	cgggggagct	cgcgcacctc	gggcccgggg	aagagctcag	tggaaacccg	ccgaggaaga
21661	acccgtggcg	caggattttc	ccaggccttc	tgaggaccag	gggcgtcccc	cgtcccaccc
21721	tgtgactttg	ctcaggccgt	tccggggcgg	gaattcagaa	ctcctcagcc	ccccagaaa
21781	aaaatatccc	cgtggaaatt	ccttgggaat	gaccgaggcg	ggggaaatat	cgctctctgg
21841	atggccagtg	actcgacgcc	cccttccccg	ataggaaggg	cctgcgcgtc	cggggaccct
21901	tcgcttcccc	ttctgctcgc	cgacctccct	ggccctcggg	agatctccat	ggcgaccccg
21961	cgcgcccccc	acaacaggaa	agccttaggc	ggcgcgctt	ggtgctcgga	gacttaagag
22021	tacccagcct	cgacgtggtg	gatgtcgagt	cttgggggtca	cacgcacagg	cggtggccaa
22081	gcaaacaccc	gctcatattt	agtgcagtgg	cctgggttcg	agttgcccga	gcctcgcgcg
22141	tagggcaggg	gttcgagcgc	cccttctccc	tgctctgcct	ctgcgcctgg	gggctgctgc
22201	ctcagtttcc	cagcgacagg	cagggatttc	gagcgtcccc	ctccccctcc	tcgtcaagat
22261	ccaagctagc	tgctctcagtt	tccccgcgga	gcctgggacg	ccagcggagg	ggctcggcgc
22321	gtagggatca	cgcagcttcc	ttcctttttc	tgggagctgt	aaagacgcct	ccgcggccaa

FIGURE 1-G

22381	ggccgaaagg	ggaagcgagg	aggccgccgg	ggtgagtgcc	ctcgggtgta	gagagaggac
22441	gccgatttcc	ccggacgtgg	tgagaccggc	cttcgtcact	.cccacggtta	gcggtcgccg
22501	ggaggtgcct	ggctctgctc	tggccgcttc	tcgagaaatg	cccgtgtcag	ctaggtgtgg
22561	acgtgaccta	gggggagggg	catccctcag	tggagggagc	ccggggagga	ttcctgggcc
22621	cccaccagg	cagggggctc	atccactcga	ttaaagaggc	ctgcgtaagc	tggagaggga
22681	ggacttgagt	tcggaacccc	tcgcagcctg	gagtctcagt	ttaccgcttt	gtgaaatgga
22741	cacaataaca	gtctccactc	tccggggaag	ttggcagtat	ttaaaagtac	ttaataaacc
22801	gcttagcgcg	gtgtagaacc	tgattcaagc	ttagcctggc	cgggaacgg	gaggcgtgga
22861	ggccgggagc	agccccggg	gtcatcgccc	tgccaccgcc	gcccgatggc	tttagcttgg
22921	aaattccgga	gctgaagcgg	ccagcgaggg	aggatgaccc	tctcggcccc	ggcaccctgt
22981	cagtccgga	ataactgcag	catttggtcc	ggaggggaag	gcgcgaggtt	tccgggaaag
23041	cagcaccgcc	ccttggtccc	caggtggcta	gcgtataaa	ggatcacgcg	ccccagtcga
23101	cgctgagctc	ctctgctact	cagagttgca	acctcagcct	cgctatggct	cccagcagcc
23161	cccggccccg	gctgccccga	ctcctggctc	tgctcggggc	tctgttccca	ggtgagtcgg
23221	ggtggggatt	gccgtcgggc	cagttctccg	aagccccggg	aggaccggct	cccgggtcag
23281	gtcatgcatg	cttaggtagc	tgtttatggg	aaggaggggc	tagagacagc	gattgaaagg
23341	caacagccag	taggttcgaa	tccagacctc	gcataacctc	acgtgtggcc	ttgggctata
23401	gattgcagct	ttaaaaaagg	gtaggggggt	ggagatggag	gggagggggc	ggcctcgttt
23461	tggtgcccg	gccggtcttg	aactcggggg	gtctagcctt	acctcctgcc	tcagcctccc
23521	gagtagctgg	gatgagaggt	gtgaaccacc	gccttgcttg	gctagattgc	gtctctaca
23581	gtttctcagc	tgtaaaacgg	gaaacgttat	agcggccacc	tggcagggta	tcttgcccca
23641	gcgcagcacc	tggtcccagg	actcgatcat	gatggtttgg	gaacttggct	ctgtgccaac
23701	ccaacaaggc	ttaagggaacc	cccaccccc	tcaagatgta	tattctgttc	ctcatcctct
23761	ctgccccctg	ggaagtccag	ggctgcttct	acttggggga	attccagagc	tgacttatcc
23821	gtggcccaaa	gctgagaagt	gggacgcccc	agcacacctc	ccccagctc	cagcccagct
23881	agggaagagg	gaaggggtca	gagggtcttt	catggtggtg	taagtttggg	gaaccaggag
23941	ggtgggagat	tgacagcttg	gttaacagct	caacaaagcc	tgagatccag	gccagcacgg
24001	tagttcatgc	cagtaatccc	aacactttag	gagccccagg	cgggcgaatc	acttaaggtc
24061	aggagtttga	gaccagcctg	gccaaacttg	caacatcccg	tctctactaa	aaatacaaaa
24121	attagctggc	atggtggtgg	gcgcctgtga	tcccagctgc	tcgggaggct	gagggaggaa
24181	aatcccttaa	gccacagagg	ctgaggttgc	agtgaaccaa	gattgtgcca	ctgcactcca
24241	gcctggggaga	catagcgaga	ttctgtctca	aaaaacaaag	cRttctgatc	cggactcaga
24301	cccagatcgc	actgctttct	agctaggtaa	ccatttctct	ctatgaaatg	ggaatgggtc
24361	cagaatctcc	cttgagagaat	gtatggagcc	agtgtcctca	cacccccatc	caagatagaa
24421	caaactctgag	acaggaatct	ttgagtggag	cagtgtctgg	ctcagacatt	ttttcccacc
24481	ttcggaggca	gcagaatctg	agggacctga	tccaaataag	ccccttcttt	ctttcttttc
24541	ttttcttttt	tttttttttt	tttttttttg	acggagtctc	actctgtcgc	ccaggcttgg
24601	gtgcagtgcc	gtgatctcgg	ctcactgcaa	cctctgcctc	ccaggttcaa	acgattctcc
24661	tgccctcagcc	tccctgagta	gctgggacta	caggcatgtg	ccatcacacc	cggctaatac
24721	ctgtgttagc	caggatggtc	tcgatttctt	gacctcatga	tctgcccacc	ctgcctccca
24781	aagtgtctgg	attacatgcy	tgagccacag	tgcccacccc	gtaagccctt	tctttcttac
24841	ctgcaaggta	gccagttgct	acccatcctg	tgctgagtta	cttgatttag	caagggatgg
24901	ggtggctata	ctcaccaccc	ttacagatgg	ggaaattgag	gccccaaagag	ggggaaacta
24961	cgtgtctcag	ggagtggaga	gccagctctga	ttcctggagg	gctgactgtc	tccacctgac
25021	ttcttaggag	ggaggagggc	accaaacttca	cattaaaaatc	tggttgagaca	cagtggtctca
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25141	tgagaccagc	cttagcaaca	tagtgagacc	ccatctctac	aaaaatgttt	ttcagggcca
25201	ggcgcgggtg	ctcacaccta	taatcccagc	actttgggag	gctgaggcgg	gcggattacc
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25321	tacaaaatta	cccgggcgtg	gtggcgcatg	cctgtaatcc	cagctactcg	ggaggctgag
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25441	cactccagcc	tgggcaacaa	gagctaaact	ccgtctcaaa	aaaaaaaaaa	tgtttttcaa
25501	atattagccg	ggtatggttg	tgctctgtag	tcccagctac	ttgggaggct	gagatgggag
25561	gatcacttga	gcccaggagt	tcaaggttac	agttagctat	gattgtgcca	ctgtattcca
25621	gcctgggtaa	cagagggaga	cccgtttaaa	aaaaaaaaaag	tgatggctaa	agtctttcca
25681	tggctcccta	ttgccctcag	tataaagaac	acatgtggct	gggctgggtg	gttcacgcct
25741	gtaatcccag	cactttggga	ggctgagcgg	ggcggatcac	ttgaggccag	gagtttgaga
25801	gcaggctggc	cgacgtggcg	aaaccccgtc	tctattaaaa	atacaaaaat	tagctgggcy
25861	tggtgggtgct	tgctgttaat	cccagatact	ctggaggctg	aggcaggaga	atcacttgaa
25921	cccgggaggc	aaaggttgca	gtgagctgag	attgcgccac	tgactccag	tctgagtgac
25981	aaagcgagac	tccatctcaa	aaaaaaaaaaa	aataaaaagaa	cacatcttta	gcattggcct
26041	cagtgtctcac	gggatcttcc	tgaattaatc	tccccctctt	catccttgct	cactcagctc
26101	cagccaccct	gccccgggac	atctgtactt	gcctggaact	tatttccctt	ttctccggac

FIGURE 1-H

26161	agccagccct	ttctcgtcat	ttagatctct	gctgaaacat	taccctgtca	ccaaagcact
26221	gtctatttcta	tcaccctggt	ttgtttttgt	caaagctcat	attaacatca	gttatttaatt
26281	atcttgtttg	ctcataaattt	tttttttttt	ttttttggag	acagagtctc	gttctgttgc
26341	tcaggctgga	gtgcagtggc	acaatcttgg	ctcactgtaa	cctccacctc	ccaggttcaa
26401	gtgattcttg	tgccctcagcc	tcccaaatag	ctaggactac	aggcacgtcc	caccatgccc
26461	agctaatttt	tgtatttttta	gtggagacgg	ggctttgtca	tggtggccag	gctgatctca
26521	aattcctgac	ctcaagtgat	ctgcccgcct	tgccctccca	aagtgtctgg	attacaggcg
26581	tgagccacca	caccoggcct	gctcatgaat	tttctcttta	acttccacat	cgaaggcaaa
26641	gtattgtctt	gttaaggctg	tgccctccagc	acccagcaca	ggctgggctg	acattccctt
26701	gatgaacctg	atgtgtaatg	cctgtgcgct	cttccctcgt	ttcttctagg	acctggcaat
26761	gcccagacat	ctgtgtcccc	ctcaaaagtc	atcctgcccc	ggggaggctc	cgtgctggtg
26821	acatgtcagca	cctcctgtga	cagcccaWg	ttgttgggca	tagagaccct	ttgctctaaa
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26941	gatagccaac	caatgtgcta	ttcaaaactgc	cctgatgggc	agtcaacagc	taaaaccttc
27001	ctcaccgtgt	actgtgagta	actgagcccg	gagggtgga	ctaggcagac	ccggtgggag
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27301	gcgaaaacct	gtctctgctg	aaaatacaaa	aatcagccgg	gcattggtgt	acgcctctgt
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27421	cagtgcagcc	cgatcgtgcc	agtgcactcc	agtctggata	acagagcaag	attccatctc
27481	aagaaaaaaa	aaatgccatc	tctctatgcc	tactcttttg	aacatatgac	acggtcctgc
27541	ttcagacact	ttaataaaaag	atgcaaatga	agccaagtgt	ggtggctgtg	acctataatc
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27661	tgggcaacag	agtgcagacc	tgtttctttc	tttttttttt	tttttttttt	gagaccgagt
27721	ctcactctgt	cgcccaggct	ggagtgcagt	ggtgtgatct	cggctcactg	caagctccgc
27781	ctcccgggtt	cacgccaattc	tcctgcctca	gcctcccag	tagctgggac	tacaggcgcc
27841	tgccaccatg	cccggctcat	ttttttgtat	tttttagtag	gacggggttt	cactgtgtta
27901	gccaggatgg	tctcaatctc	ctgacctagt	ggtccgcccc	cctcggcctc	ccaaagtgtc
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28021	tgataataatt	tagctgggca	tcgtgtgtgt	cacctgtaat	cccagctgtc	cctgaggctg
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28201	ccctgggatg	gcattttttca	catatttggt	acaaacaaaa	gaattgatgg	ccgggcgcag
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28321	gagatcgaga	ccatcctggc	taacatggtg	aaaccccgct	tctactaaaa	ctacaaaaaa
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28561	agctgtgctg	ccaaggctat	tggaacgtag	gaggtcctag	gacagtgtct	ttgggagcat
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29281	tcagcctccc	gactagctgg	gattacaggc	atgggccact	acgcctggca	aattttgtat
29341	tttttagtag	gacagggttt	ctccatgttg	gtcaggctgg	tcttgaactc	tgacctcagg
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29461	ctgagaattc	tttttttgg	gttgtctttt	tgagatggag	ttttgctgtg	tcccagcctc
29521	ggagtgcagt	ggtgtaatct	cagctcactg	caacctctcc	ctcccgggtt	caagcaattc
29581	tcctgcctca	gcctcccaag	tagctggaat	tacaggcgcc	cagcaccacg	ccYggcta
29641	ttttgtattt	ttagtagaga	cggtgatttc	tcatgttggc	caggctggtc	ttgatctcct
29701	gacctgtgta	tctgcccgcg	tcggcctccc	aaagtgtctg	gattacaggg	ctgagccact
29761	gccccagcc	gagaatttct	ctttgcgtcc	ttcctacttt	ggggacttcg	aatggtggga
29821	aagagttatc	aaggccaaaa	taagggaattc	aaatgaaaac	aaaacaaaat	caaagaagaa
29881	aaaacagaag	agcactgggc	aggctaggca	cgtggctcat	gcctataatc	ccagtgtatt

FIGURE 1-I

29941	agaagggcca	agtagaagga	tcgcttgagg	gccaggagtt	ggacaccagc	ctgggcaaca
30001	tagcaagacc	ccatatctac	aaaaataaaa	aaacctaac	aagcgtgctg	gcatactagt
30061	agtcaccagc	actcaggagg	ctgagggtgg	aggatcacct	gagcctggga	ggtccaggct
30121	gtagtgaacc	gtgatgacac	cactgcactc	cagcctgggt	gacagagaaa	gacctgtct
30181	ctaaaaaata	aaaactggcc	aagtagcttt	gggattagcc	ttgggttcca	gtcccagcaa
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30361	aaggaagcct	ctgggtaaa	gatcaaatga	tcagctttgc	ttctgatttg	gaggggtggg
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30721	ttcgccaagt	tgccaggct	ggtctcgaa	tctagacctc	tggtgatcca	cccgcctcag
30781	cctccgaag	tgctgggatt	acaggcttga	gccaccacgc	gcggctctgc	ctgatagctg
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32221	ctgagggttg	agggtacctc	aagtctctga	agagtctata	ggaggtggta	agagagaaga
32281	gctggaggtc	agagttttct	tgactatata	tatatatatt	ttttgttttt	gttttttaac
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32401	caggctggag	tgacgtggtg	caatcgtagc	tgactgcagc	ctcaaaactc	caggctcaag
32461	aaatcctcct	cccaccctta	gcctcctgag	tagcaggggc	tacaggtgtg	agccagcagg
32521	aagcccagct	ggtttttttt	ttttcttttg	tggtttttgt	ttgtttgttt	gagaccggag
32581	tttcgctctt	attgcccagg	ctgaagtgc	atggcaggat	cttagctcac	cacaacctcc
32641	gacccccagg	atcaagctat	tctcttgctt	cagccacctg	agtagctggg	attacaggca
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32761	tcaggctggt	ctcgaactcc	caacctcaga	tgatccacct	gcctcgccct	cccaaagtgc
32821	tgagattaca	ggcatgagcc	accgtgcccg	gccttttttt	tttttttttt	ttttttgaga
32881	cagagtctca	ctctgtcgcc	caggcaggag	tgacgtgggt	cgatctgggc	tcactgcaag
32941	ctccgcctcc	cgggttcact	ccatcctcct	gccttagcct	cctgagtagc	tgggactaca
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33241	accacgccat	gcccgaagccc	agcttgtttt	taattttttt	tttttttttt	ggagaaatga
33301	ggtcttgcaa	tggtgcccga	gctagccttg	aactcctggc	ctcaaatgac	cccgcccttg
33361	catcccaaa	tactgggatt	acagatgtga	gccaccatgc	cccagccttg	ctttcttgag
33421	atacgattta	gaataccata	agattcatcc	cttttaagca	cataattcaa	tgacttctgt
33481	acaacaacc	atgactacaa	tctaatttta	aaatatttca	atcactctaa	aaaagaacc
33541	tctgtcttat	gtacagcgac	ctgtcttacc	tcttaagtga	attctcctac	ctttaatagc
33601	cctattttac	agttcaggaa	actgaggttc	agagagacaa	agtcacttac	cccagcaaaa
33661	gaagcaaggc	tggttatcaa	atgcaggacc	cccccggtcc	tgatgctttt	tttttttttt

FIGURE 1-J

33721	tttttttctt	ctgagagaga	ctctcactct	gtcactcagt	ctagagtaca	gtggcgcgat
33781	ctcagttcac	tgcaatctct	gcctcctggg	ctgaagtaat	ccttttctca	caagtaaacc
33841	tcagcctctc	aagtagctgg	gactacaggc	acacaacacc	acgcctggct	aatttttcta
33901	tttttaggta	gagacggggt	ttcactatRt	tggccaggct	ggtcttgaac	tcctgacctc
33961	agggtgatccg	cctgcctcgg	ccccccaaag	tggtgggatt	acaggcgtga	gccaccacac
34021	gcagcctttt	tggtattaga	ctctgtcatt	actgactttt	tttttttttt	aatagaaaca
34081	gggtctttct	ttcccaggct	aaagtacagt	ggcatgatca	cagttcacta	tagccttaaa
34141	ctcctgggct	caagtgatcc	tcctgcctca	gcctcccaag	tagcagggac	tacagggtgtg
34201	caccaccaca	cccagttaac	cattcatcca	ttcattcatt	catttatatt	gagatggagt
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34321	ctcccagggt	caagagattc	tcctgcctca	gcctcccagg	tagctgagac	tacaggcggtg
34381	caccaccatg	ccagactaat	ttttgtattt	ttaatagaga	cgggggtttca	ctctgtgtgt
34441	caggcttatc	tcgaactcct	gacttcgtgg	atccaccctc	cctggcctcc	caaagtgtgt
34501	ggattaaagg	cgtgagccac	cgcgccctgc	caaccttttt	ttaatttttc	ttagagatgg
34561	gggtctccct	atgttgccca	ggcttgtctt	gaactcctgg	cctcaagtga	ccctcttgcc
34621	ttggcctcac	aaagtgttag	gattacagcc	tgagccatca	cacctgggca	acagggttttt
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34741	taatcccagc	actttgggag	gccgggggtg	gcagatcact	tgaggtcagg	aattcgagac
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34921	ccaggaggca	gaggttgtag	tgagccaaga	tcagccatc	accctccagc	ctgggcgaca
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35221	tcttttccac	ttttcactct	aagatgctgc	tgatcatgaat	aaggaaatatt	ttgatcccct
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35761	ccagaccttt	ggtgaggatt	gaagaagcca	gcaggagaaa	ggtgggggtg	gggtatcctg
35821	caatgcgggtg	cctgtggcca	caggatcttt	tgagatgggt	gtggccccgg	ctaagggtgca
35881	catgtgttct	aggcgtatgt	gacctaggct	gctgagtggc	cctggaagag	gatctcgtag
35941	gagggggaat	gaaatgcccc	agagaagggc	ttcgggacgt	ccatccctgt	ctgctcacac
36001	ctttcttctc	tccttagtcc	tgccagcgac	tccccacaaa	cttgtcagcc	ccccgggtcct
36061	agaggtggac	acgcagggga	ccgtggtctg	ttccctggac	Rggctgttcc	cagtcctcga
36121	ggcccaggtc	cacctggcac	tgggggacca	gaggttgaac	cccacagtca	cttatggcaa
36181	cgactccttc	tcggccaagg	cctcagtcag	tgtagccgca	gaggacgagg	gcaccagcgc
36241	gctgacgtgt	gcagtaatac	tggggaacca	gagccaggag	acactgcaga	cagtgaacct
36301	ctacagtaag	aaggggcagg	ggcggagtgg	ggcttcttgR	gggtgtgacc	tgaaccgggg
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36421	cagaggtctc	agaagggacc	gaggtgacag	tgaagtgtga	ggcccaccct	agagccaagg
36481	tgacgctgaa	tgggggtcca	gcccagccac	tggggccYgag	ggcccagctc	ctgctgaagg
36541	ccaccccaga	ggacaacggg	cgcagcttct	cctgctctgc	aaccctggag	gtggccggcc
36601	agcttatata	caagaaccag	acccgggagc	ttcgtgtcct	gtgtgagtgg	ggctgtggtg
36661	caatggcccc	tatcccccaa	ggcccaatct	ccctgaagggt	cccataagggt	cttgctcca
36721	agtctgcccc	ccacccacct	ccatgtcatc	tcatcgtgtt	tttccagatg	gccccRact
36781	ggacgagagg	gattgtccgg	gaaactggac	gtggccagaa	aattcccagc	agactccaat
36841	gtgccaggct	tgggggaacc	cattgcccca	gctcaagtgt	ctaaaggatg	gcactttccc
36901	actgcccctc	ggggaatcag	tgactgtcac	tcgagatctt	gagggcacct	acctctgtcg
36961	ggccaggagc	actcaagggg	aggtcacccg	cRaggtgacc	gtgaatgtgc	tctgtgagtg
37021	agccggcggg	cagagctggg	tgggggcagg	ggccatggac	ctaagtcaat	cctcaccgcc
37081	tggtgtatcc	tccccacagc	cccccggtat	gagattgtca	tcatactgtg	gttagcagcc
37141	gcagtcataa	tgggcactgc	aggcctcagc	acgtacctct	ataaccgcca	gcggaagatc
37201	aagaaataca	gactacaaca	ggcccaaaaa	gggaccccca	tgaaccggga	cacacaagcc
37261	acgcctccct	gaacctatcc	cgggacaggg	cctcttctct	ggccttccca	tattggtggc
37321	agtgggtgcca	cactgaacag	agtgggaagac	atatgccatg	cagctacacc	taccggccct
37381	gggacgccgg	aggacagggc	attgtcctca	gtcagataca	acagcatttg	gggccatggt
37441	acctgcacac	ctaaaacact	aggccacgca	tctgatctgt	agtcacatga	ctaagccaag

FIGURE 1-K

37501	aggaaggagc	aagactcaag	acatgattga	tggatgttaa	agtctagcct	gatgagaggg
37561	gaagtgggtg	gggagacata	gccccaccat	gaggacatac	aactgggaaa	tactgaaact
37621	tgctgcctat	tgggtatgct	gaggYccac	agacttacag	aagaagtggc	cctccataga
37681	catgtgtagc	atcaaaacac	aaaggccac	acttcctgac	ggatgccagc	ttgggcactg
37741	ctgtctactg	accccaaccc	ttgatgatat	gtattttattc	atgtgttatt	ttaccagcta
37801	tttattgagt	gtcttttatg	taggctaaat	gaacataggt	ctctggcctc	acggagctcc
37861	cagtctRat	cacattcaag	gtcaccaggt	acagttgtac	aggttgtaca	ctgcaggaga
37921	gtgcctggca	aaaagatcaa	atggggctgg	gacttctcat	tggccaacct	gcctttcccc
37981	agaaggagtg	atttttctat	cggcacaaaa	gcactatatg	gactggtaat	ggttacaggt
38041	tcagagatta	cccagtgagg	ccttattcct	cccttcccc	caaaactgac	acctttgtta
38101	gccacctccc	caccacacata	catttctgcc	agtgttcaca	atgacactca	gcggtcatgt
38161	ctggacatga	gtgcccaggg	aatatgccca	agctatgcct	tgtcctcttg	tcctgtttgc
38221	atttcactgg	gagcttgcac	tatgcagctc	cagtttcctg	cagtgcacag	ggctctgcaa
38281	gcagtgggga	agggggccaa	ggtattggag	gactccctcc	cagctttgga	agcctcatcc
38341	gcgtgtgtgt	gtgtgtgtat	gtgtagacaa	gctctcgctc	tgtcaccag	gctggagtgc
38401	agtgtgcaa	tcattggttca	ctgcagtctt	gaccttttR	gctcaagtga	tcctccacc
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38521	tttttttttt	tYcagagacg	gggtctYgca	acattgccca	gacttccttt	gtgttagtta
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38821	ggaatcttat	tcttgacctg	gggagcggaa	tccttttttg	cagtactccc	gggcctctg
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38941	tctctagagc	cggccctggc	tctctggcgc	ggggccctt	agtcgggct	tttgccatg
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39121	tccgggacct	cagtgcctt	ctgggtgcgc	atgagcccg	agttcgtggc	gtgcagccg
39181	gggaagtgcag	tgcagctcaa	tgcagcaac	agctgtcccc	agccgcagaa	ttccagcctc
39241	cgcaccccg	tgcggcaagg	caagacgctc	agagggccgg	gttgggtgtc	ttaccagctg
39301	ctcgacgtga	gggcctggag	ctccctcgcg	cactgcctcg	tgacctgcgc	agggaaaaaca
39361	cgctgggcca	cctccaggat	caccgcctac	agtgagggac	aggggctcgg	tcccggctgg
39421	ggtgagggga	gggggctgga	agaggtgggg	gaagggtagt	tgacagtgcg	tcctataggga
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39541	ttggagcctc	cggtcttaaa	gggcaggaaa	tacactttgc	gctgccacgt	gacgcagggtg
39601	ttcccggtgg	gctacttgg	ggtgacctg	aggcatggaa	gccgggtcat	ctattccgaa
39661	agcctggagc	gcttcaccgg	cttgatctg	gccaacgtga	ccttgacctc	cagtttgc
39721	gctggacccc	gcgacttctg	gcagcccggtg	atctgccacg	cgcgcctcaa	tctcgacggc
39781	ctggtgggtcc	gcaacagctc	ggcaccatt	acactgatgc	tcggtgaggc	acccctgtaa
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39901	aagcgtgagc	tccacgcggg	tcgacagacc	tcctgtgttt	ccgttctcaa	ttctcgctt
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40021	gtagggatcc	tcctcactgt	gggcgctgcg	tacctatgca	agtgcctagc	tatgaagtcc
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40141	ctggggaaat	ggccatacat	ggtggctgac	gcctgtaatc	ccagcacttt	gggaggccga
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40381	cttgatcggtg	ccactgcact	ccagcctggg	ggacagagca	cgacctgtc	tccaaaaata
40441	aaataaaaaat	aaaaataaat	attggcgggg	gaacctctg	gaatcaataa	aggcttctt
40501	aaccagcctc	tgtcctgtga	cctaagggtc	cgcttactg	cccttcttcg	gaggaaactg
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40621	agggcacctg	aggtttcctc	actcagggcc	cacctggggt	cccgaagccc	cagactctgt
40681	gtaKccccag	cggtgtcac	agaaacctct	ccttctgctg	gccttatcga	gtgggatcag
40741	cgcgggccgg	ggagagccac	gggcaggggc	gggtgggggt	tcattggtatg	gctttcctga
40801	ttggcgccgc	cgccaccacg	cggcagctct	gattggatgt	taagtttctt	atccagccS
40861	caccttcaga	ccctgtgctt	tctgtgaggg	caaacaactg	tggagcgaga	atcatctcc
40921	aaaataactt	accacgctgg	agttagacca	cgaatggtgg	ggaggggagg	gtcccacgga
40981	catattgagg	gacgtggata	cgcagaagag	gtatccatgt	ggtggcagcc	gggaagggtg
41041	gatcatagtg	tccacaggga	atatcacaaa	ctcgaattct	gacgatgttc	tggtagtcac
41101	ccagccagat	gagcgcagtg	agttgggggt	gggggggtgc	aaagcttggg	gcccggaagc
41161	ggagtcaaaa	gcataccctt	cggctccctt	ttctcgcggtg	gatgtcaggg	ccYccacca
41221	ccgagcagaa	ggcggactca	ggggcgctcc	aggttggtc	gagctcacac	acgctgagta

FIGURE 1-L

41281	gacacgtgcc	cgctgcaccc	tgggtaaata	cagacccgga	gccgagcgga	ttctaattta
41341	gacgcccgcg	aacgctgcgc	gcacgcacac	gtgtcctcgg	ctcgctggca	cttctgtccc
41401	gccccctccg	tcgctgtcSg	gagctgaccc	ggaggggtgc	ttagaggtag	ggctccgcgg
41461	ggtaaaagg	agaaggatca	gtgagagagg	catccccaca	ccctccccta	gaactgtcct
41521	ttccccatcc	agtgcctccc	aaatctctct	tagtcccaaa	atgtatcccc	gccctaaggg
41581	gcgctgggtg	gaggagctaa	atgtgggggc	ggRgctcggg	gtccagctta	ttatcatggc
41641	atctcagcca	gggctggggg	aggggtttgg	gaagggcaac	ccagcatccc	ccgatcccg
41701	agtcgcgggc	ggggatgacg	cgagagagcg	tggctcgccc	cagaaggccc	tgggccatca
41761	tgccggcctc	cacgtagacc	ccaggggctg	ctcactcctg	ccagctcgcc	ttcaaccaag
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41881	ttggaaacca	agttaccaac	gttaaaccac	tccccaaagc	caactctgcc	tccccacac
41941	cccacccgcc	gcgcgcgcgc	gagccgtcct	ctagcccagc	tctctggctc	cgctctcctc
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42061	gctactcggc	ctctgggctg	ctctgggcct	ggggctcttc	ggcctctcag	gtaagagccc
42121	cgctctgggt	cggggtggac	agggcggggg	cggagtcctt	ggacctgaga	aacggcctcc
42181	tgtccctccc	agctctgccc	tgcctcgcct	cccacgcctc	tgccccacc	tgagcctga
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42301	gatagccctt	acccgcttcg	agatcctagg	tgttcttccg	cacccaaccc	ttcgccctgg
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42421	ggccaacgga	ctggcatctt	ccccactcgc	ggtccgcgaa	gactccatct	ctccaactac
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42661	cactctcttc	gtatcccggc	attctgccag	gacctgaga	actggttcac	cccccatccc
42721	ccatcccggg	tccccttctc	tcagccttgc	tgtgttcac	caagaaccca	cctttcctct
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43921	gtgccttgag	gatgataata	cgataagata	gtgcatgtca	agtgttagg	acatatagg
43981	cgctcggagt	tagttcaaac	ttggttcttc	gacccctagc	cctgtctccg	gatgccccgc
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44221	cagagcagga	gggtgccagg	cagctgRtct	gcaacgtcac	cctggggggc	gaaaaccggg
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44401	aggcgtggcc	cgaggggcgg	ggcaggtggg	ggcggagacg	taatcgctgg	ggaggaggag
44461	cctgtacagc	ctgagaggcg	gggcgcgcta	ccctagtctg	ttctcagcac	cccaggagatt
44521	cgggcagata	aggggcgggc	cttgaccggg	gggaggggta	tggtcagtat	actacgacca
44581	aatgtccgc	ccccaggctt	ccccgcacca	ctcctgaccc	tgagcgaacc	cagcgtctcc
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44821	aagaacagga	gcgcagagct	tcgtgtccta	tgtgagttgg	tgataacccc	tgccccccca
44881	ccttctggtg	acttccaagg	accgcctcgc	tccctcaccc	tgtcgtggag	cgggagccat
44941	ttcttacgtc	taagcctctg	taaccccacg	ccctgcccgc	agacgctccc	cggctagacg
45001	attcggactg	ccccaggagt	tggacgtggc	ccgagggccc	agagcagacg	ctgcgctgcg

FIGURE 1-M

45061	aggcccgcg	gaaccagaa	ccctcagtc	actgtgcgcg	ctccgacggc	ggggccgtgc
45121	tggctctggg	cctgctgggt	ccagtcactc	ggcgctctc	aggcacttac	cgctgcaagg
45181	cggccaatga	tcaaggcgag	gcggtcaagg	acgtaacgct	aacggtggag	tgtgagtggtg
45241	ggtgcgcagg	gtgcaYttct	atctggttca	aggctctggag	ggtggccagc	ctccaggga
45301	gagtaggagt	agggtatgag	gtgtcccttt	gggtgaggtt	ttgggaaagg	gaagaggctg
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45601	aagccttgcc	gcgccaagga	gggtctaggg	acgtcagatt	tgcccccaaa	ccccaaagcc
45661	aacaatacac	tccctcctcc	agacgcacca	gcgtgggaca	gcgtgggctg	cccagaacgc
45721	attacttggc	tggagggaa	agaagcctcg	ctgagctgtg	tggcgacgag	ggtaaccgctg
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46021	ccagatggcc	ccaggtttga	ggagccgagc	tgccccagca	attggacatg	ggtggaagga
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46681	agcgtggga	gcattcaagg	gcacctctcc	caatccatt	ctcggggaca	gggaattcca
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47341	ggtggccgaa	cttgctgcct	cgccccctgg	aggcgtgcgc	ccaggaggaa	acttcacgtt
47401	gacctgccgc	gcggaggcct	ggcctccagc	ccagatcagc	tggcgcgcg	ccccgggggc
47461	cctcaacatc	ggcctgtcga	gcaacaacag	cacactgagc	gtggcaggcg	ccatgggaag
47521	ccacggcggc	gagtacgagt	gcgcaScac	caacgcgcac	gggcgccacg	cgcgcgcat
47581	cacggtgcgc	gtggccggtg	agtggcagct	ggggagaggc	ggggcgaggt	atctgagagg
47641	ggcggtgacc	tgggtcttgg	ggcgccgggc	ccgcctgcc	tcctctcgg	tcccgKaga
47701	ctagacggaa	gtgggacaga	gtagaagtca	aaggtgcctt	agcgggtggg	gctgtgatc
47761	gcaacttgag	gggtgggaga	tggaggtggc	agggggactg	aattcaaggg	gagggaccct
47821	ccggggctgt	cactgctgca	ggaaaggact	ttaaaacttg	ggctggattc	tgcgtgggtg
47881	aaacttgacc	caattcacaa	tccactgtgg	ggaagattgg	ggaggacca	aagtcatthg
47941	atgWtggagg	gagagagggg	tcaagatcgc	cttctctcac	ttcctgaagc	tcctggggct
48001	gggttctctc	tggggtcggg	ggaacctgac	ctggtcctgc	cggtcctcat	ttttggggg
48061	atggggagag	ttgacttgct	gccagggggc	taagtgtggt	cacgggttta	tatccccatg
48121	ggctgaagtg	cgatataaat	cgggactcgg	gtcgccctgg	cactgggagt	ggccttattg
48181	catgggttgt	ctcccttctc	ccaaggccag	acagtgaagt	ccccggggca	tgaggactga
48241	cttcgtgcct	gtgggagtgc	ggggggcggt	gggagaagcc	ccccggagct	tggccaccct
48301	ccgcgagggt	ctccaccctg	caggtccgtg	gctatgggtc	gccgtgggag	gcgcggcggt
48361	gggcgcggcg	ctgctggccg	cggggcggtg	cctggccttc	tacgtgcagt	ccaccgctg
48421	caagaagggc	gagtaacaag	tgcaaggagg	cgagagctca	ggcgaggccg	tgtgtctgaa
48481	cggagcgggc	ggcggcgctg	gcggggcggc	aggcgcgag	ggcgacccS	aggcgcggtg
48541	gggcgcggcc	gagtcgcggg	cggagggcga	ggtcttcgcc	atacagtcta	catcggtggt
48601	agcccgctcc	cctctccccg	cgggcggggg	gacgcccccc	agactcacac	gggggcttat
48661	ttattgcttt	atttatttac	ttattcattt	atttatgtat	tcaactccaa	gggcgtcacc
48721	cccattttct	acccatcccc	tcaataaagt	ttttataaag	gaactccctg	tctccgcttc
48781	tgtttctgca	aggtggaaca	agcccagggt	tccagtcgtg	acctcccgag	ttattcattc

FIGURE 1-N

48841	aaaaagcgat	ttttgagagg	gcctgggggtg	gtggcttagg	cctgtaatcc	caggacttgt
48901	gggaggccca	ggtgggagga	tcccttgccac	ccaagagttt	cagaccagcc	tgggcaacat
48961	agggagaccc	tacaaaaaat	atttttcaaa	aattagccaa	ggccggtcgc	ggtggctcat
49021	gcgtgtaatc	ccaggacttt	ggaaggccga	ggcggccaga	tcacgaggtc	gaggtcatga
49081	gatcgagacc	atcctggcca	atatggtgaa	accctgtctc	tactaaaaat	acaaaaatta
49141	gctgggcatg	gtggtgcgcg	cctgtagtcc	cagctattcg	ggaggctgag	gcaggagaat
49201	cgctttaacc	ccggaggcag	aggttgcagt	gagccgagat	cgtgccactg	aactccagcc
49261	tggcgacaga	gcgagattcc	gtcttaaaaa	aaaaaccagg	cgtggtggct	cacgctgta
49321	atcccagcac	tttgggaggc	cgaggcgggc	ggatcacgag	gtcgggagat	cgagaccatc
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49441	attagccgag	cgtggtggcg	ggcgccgtga	gtcccagcta	ctcaggaggc	tgaggcagga
49501	gaatggcatg	aaccggggga	gcagagcttg	cagtgaagccg	agatcgcgcc	actgcactcc
49561	accctggcag	acagcaagac	tccgtctcaa	aaaaaaaaaa	aaaaattagc	cagggccgag
49621	cacagtactc	tcgcttgaat	cccagaactt	tgggaaacta	aggcgggggg	ggggggtcac
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49741	atacaaaaaa	attaaggccg	ggtgaagtgg	ctcacgtctg	taatcccagc	actttgcgag
49801	gctgaggcgg	gcggatcatg	gggttagaag	atcaagactg	tcctggctaa	catggtgaaa
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49921	agctactcaa	gaggctgagg	caggagaatc	gctttaaccc	cggaggcaga	ggttgcagtg
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50041	aaaaccaaaa	acaaaaacaa	aaaaatacaa	aaatttagct	gggctgtagt	ggcacagcc
50101	ctgtaatccc	agctactcgt	gaggctgagg	caggagaatt	gctagaaccc	gggaggtaga
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50221	aaaaaaaaaa	aaagtgtttt	ttgagggggc	tgggcatggt	ggctcaagcc	tgtaatccca
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50341	ggcaacatag	cgagacccta	caaaaaaaca	tgtttcaaaa	aaaaattttt	ttttttgaga
50401	tggagtctcg	ctctgtcgcc	caggctggac	agcagtggca	ctatctctgc	tcactgcaag
50461	ctccgtctcc	cgggttcatc	ccattctcct	gcctcagcct	cccaagtagc	tgggattaca
50521	ggcgccctgcc	accacaccaca	ctgaattttt	ttttgtattt	ttagtagaga	tgggatttca
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50701	tgagatggag	tcttgctctg	tcaccagggc	tggagtgtctg	tgggtgtgatc	ttggctcact
50761	gcaacctctg	cctcctgggt	tcgaagcaat	cccctgcctt	ggcttcccaa	atagctggga
50821	ctataggcat	gcaccaccac	accagctaa	ttttgtattt	tttagtagag	acagggtttc
50881	accatgttgg	ccaggctggt	ctcgaactcc	tgacctaaag	tgatccacct	gcctcggctc
50941	cccaaagtgc	tgggattaca	gctgtaagcc	accatgcctg	gtgtattttt	caaaaattag
51001	ccagcatggg	tggtgcatgc	ctgtagtccc	agctacttgg	gaggctgagg	caggagatcc
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51241	tttttttgag	acggagtctc	tctgtgcgcc	aggctggagt	gcagtgtgtg	aatctcagct
51301	cactgcaagc	tctgcctccc	acgttcaagc	gattttcctg	cctcagcctc	ctgagtacct
51361	gggattacag	gcgcgcgcga	ccactacgcc	cggtcaattt	ttgtattttt	agtagagaca
51421	gggtttcacc	atgttgggtca	ggctagtctg	gaactactga	cctcgtgatt	cacctgcctc
51481	ggtctcccaa	cgtgctggaa	ttacaagcct	gagccactgt	gcctggcccg	gctggctgtc
51541	ttttctcagt	gtgacctaga	gctcgtcctc	tctcagtgcc	tgttttctgc	tctctcaca
51601	cccttgggca	ggggtggggg	cctcactcct	tcctcctact	tatctcttcc	accagcact
51661	gccctctgat	ccgggtcact	cttggagggtg	ggggctaggt	gcttccccca	ggcctgggtta
51721	ccggcagagc	tgaggccgcg	ttgccagggt	gggtggaggc	cctctccgtt	gtgccctgc
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51901	ctgtgtccac	ccacagtgtc	tcagtttacc	cccaccctgc	ctttccactc	agcccatcat
51961	gattcagaac	agacacacac	agggtatccg	ctgcaacccc	cactacacgg	cactttcccc
52021	cctcatcccc	aacagcataa	ggcacagcag	ctgggcctcc	tccccacagc	ctcctcctct
52081	gccccctcctc	cctcaaaagc	aggaacacgg	agccctagag	aaggaagcca	gtcccatgca
52141	aacatgtaat	gagcaaagat	gagacgggga	aatggcacaa	gagggcaggg	cagtgtctcg
52201	tgctggagcc	aggggcaggg	tataacaccc	aaaaaggcac	cagccaggtg	cagtccctgc
52261	cactaacagc	acctcacctt	ttctgcctgt	gccctcccta	cttaatgatc	tctctccgct
52321	cctactgacc	tcaaggtctc	tttcagagcc	ttcagatgag	atattttatt	tagtaggttg
52381	gtgcaaaagt	aattgctgtt	tttgccattg	aaagtaatgg	caggcagggc	atggtggctc
52441	acgcctgtaa	tcccagcact	ttgggagccc	gaggtgggca	gatcacgagg	tcaggagttc
52501	aagaccagcc	tggctaacat	ggtgaaaccc	tgtctctact	aacaatacaa	aaaaaattag
52561	ccggacatgg	tggcacaccc	ctgtagtctc	agctacttgg	gaggctgagg	caggagaact

FIGURE 1-O

52621	gcttgaaccc	tgaagcggag	gctgcagtga	gctgaaatca	cgccactgca	ctccagcctg
52681	ggccacagag	tgagactgtc	tcagaggaaa	aaaaaaaaaa	aaaagtaatg	gcaaaaactg
52741	caattacttt	ttctttttct	ttctgttttt	tttttgtttt	gtttgtttgt	ttgtttgttt
52801	gtttgagacg	gagtctcact	gtgtggccca	ggctggagtg	cagtggcgca	atcttggcct
52861	actgcagcct	ccgcctccca	ggttcaagtg	attctctcct	gcctcagcct	cccaatagga
52921	ttacaggcac	ccaccactat	gcctggctaa	tttttgtatc	tttagcagag	atggggttcc
52981	accatgtttg	ccaggctggt	ctcgaactcc	tgatccaccc	acctcagcct	cccaaagtgc
53041	tgggattaca	ggcaggcatg	agccatgggt	cccgacattt	tttttttttt	ttcttttttt
53101	ttttgagaca	gagtctcact	ttgtcaccca	ggctggagtg	caaaggcaag	atctcactgc
53161	agcctctgcc	tcctgggtta	aagcgattct	cccaccttag	ccccctgagt	aggtgagatt
53221	acaggcacat	gccaccacac	ctgcctaatt	tttgtatttt	taatagagag	ggggtttcac
53281	cattttgtcc	acgctgggtc	cgaactcctg	acctcaaggg	attcgccacc	ctcagcctcc
53341	caaagtgtctg	ggattacagg	catgagccac	cacgcccga	ctccttaact	ctcttatttc
53401	cttgacacact	ttttctctgt	agcccagctc	acaacttaac	atcctcttag	acatacacct
53461	gaggtttttt	tttttttttt	ttttgagagg	gagtctctct	ctgtcaccca	ggatgggaatg
53521	cagtgggtgtg	ctctcagctc	actgcaacct	tgcaaccact	gcctcccagg	ttcaagcaat
53581	tctcctgcct	cagcctcccg	agtagctggg	actacagaca	catgcccga	cactgtgctg
53641	attttttgtt	tttttagtaga	gacagggttt	caccgtgttg	cccaggctgg	tctcaaactc
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53761	caccgcgtcc	tgccctctgag	tttttttttt	tttttttttt	ttactgtctc	ctagaacatc
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55141	tctatttttag	tctgagtggt	caaggaaaggc	ttctctgaag	agctgatgtt	ggggccaggc
55201	ctcctcaagc	gattagaagg	tgtcagccat	ggggagatgt	ggagggaggg	tgtttcaggc
55261	caagggaagg	taagatcaaa	taattcaggg	atctgagggc	agaggaatct	ggactccagt
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55381	tggctcactc	acgcccacag	caaggaccat	gcccacccta	cttttttttt	tttccccaag
55441	tctccctcta	ttacccaggc	tggagtacag	tggtacgac	acggttcact	gcagctctga
55501	cctccagggc	tcaagtgatc	ctcccacctc	agtgtcctga	gtagctggca	ctacaggcat
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55621	cccaggctgg	tctcaaaactc	ctggggtcaa	gcgacccctc	cacctctgcc	ttctgaagtg
55681	ttgggattac	aggtgtgagc	caccatgccc	agcccgccac	cagtcttgac	tctccatcct
55741	ccctccctcc	ctgtgagtg	tggtggcctg	tgtgtcccg	ctgctgaaag	atgcctctga
55801	cttggggctt	ttgacttcag	gcccggggaga	cacatttttg	ctggattagg	gagatcttaa
55861	aagggggtag	gggacacagc	aggggctaag	gagagtga	cactgcaggc	aggggttggg
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56161	cgatcttggc	tcattgcaac	ctcaacctcc	caggttcaag	cgattctcct	gcctgagcct
56221	cccaagtagc	tcggattaca	ggcacatgct	accacgcctg	gctaattttt	gcataatttag
56281	tagagacggg	gtttcatcat	gttggccagg	ctggtctcga	tctcctgacc	tcaggtgatc
56341	cacctgcac	agcctcccaa	agtgtctggga	ttacagaaat	gagccactgt	gcctggctag

FIGURE 1-P

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56521	caggcgtgag	ccactgcacc	cggcttgtgt	gtgtctttct	gtatctgttg	tgtgtgtctg
56581	tgggtagtgg	ctgtttccct	gcatgggaca	ttgtggtaaa	tgtggctaata	tcctgtgtg
56641	ggggctgctg	cctgtggata	agactgtgtc	tctgtgcatg	cgcacgtgtg	agcagcccc
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56761	gcgggatccc	aaatcacagg	ctttttctct	cggcatatct	ctgtacttta	ttgtccctgc
56821	tgtacaatg	ctcatccttc	ctgagagcgt	ctcctgaggg	ggcctcggcc	aaggctgact
56881	ggagaagggg	ctggtgacct	ctagcaggct	ctgccacctg	aggcctgggt	cttcccccg
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57001	ggagagctgc	ttctgccccat	tctccactg	gtgaaacgga	ggcagaagca	gcagctcagc
57061	agggtgaagc	tgggtttaac	cttctctgaa	ggggtccagg	gacactccac	atctgccaca
57121	tagctctttg	ggctggacat	ttttcctggg	caccagccag	cagctggagc	agcaggtgcc
57181	gtattttctg	tacctagggt	tgggggacaa	gaaactgcca	tttaggatgc	agtgggggcc
57241	cggaaaccgc	cacaaggaaa	ccacttttcc	caagaggtag	gtgttttgc	ttttgctttc
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57541	ggcattttgt	gggggtctca	gtaaaggccc	cacctagctc	tggatcagcc	ctgggagttg
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57661	gaagctgggg	gtgggggtga	ctcagcccaa	gtggaggggg	gtgctgcgac	tcctccctga
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58861	gtaatcccaa	cactttggga	gggcaaggca	gatggatcac	ctgaggtcaa	gagatcgaga
58921	ccatcccgcc	caacatggca	aaaccccatc	tctactaaaa	atacaaaaaa	tagccaggcg
58981	tggtagcagg	cacctgtaat	cccagctact	ccagaggctg	aggcaggaga	atcgtttgaa
59041	tccgggaggg	agagggttgc	gtgagccgag	attgtgtcat	tgcaactcag	cctgaacgac
59101	agagtgcac	tccatctcaa	aaaaaaaaaa	aaatattgtt	ttggcgccat	gattaaaaaa
59161	gtcataatta	taatttttat	aataacaata	aataggtaaa	aatagagct	gggggtcata
59221	ctatgttgcc	caggctggtc	ttgaactcct	gggctcatgc	aatctcccca	ccttggcctc
59281	ccaaagtgt	gggattacag	gtgtgagcca	ccaggcccag	cttcccaaa	cttttttttt
59341	ttttttttta	aggggatgga	gtcttgctct	gtcaccaggg	ctggagtgc	gtggtgccat
59401	ctctgctcag	tgcaacctcc	acctcctggg	ttcaagcgat	tctcctgcct	cagcctccca
59461	agtagctggg	attacagggtg	cccattacca	ttcccagcta	gttttttttt	tttttttgag
59521	actgagtcct	actctgtggc	tcaggctgga	gtgaggtggc	gctatctctg	cttactgaag
59581	acttcacctc	ctgagttcaa	gcgattctcc	tgctcagccc	tcctgagcag	ctgggattac
59641	aggcaccac	tacaacgccc	agctaatttt	ttgtattttt	agtagacatg	gggtttcact
59701	atgttgccca	ggctgatctc	aaactcctga	cttcagggtga	tctgctcgcc	ttggcctccc
59761	aaagtgatgg	gattataggc	gtgagccact	gtgcccgccc	tcccagggt	tttgaatgag
59821	cccatacaca	taaaatactg	cctgttaacc	tcttattgtt	gtcactacca	acaaatagta
59881	gctgttagca	ttattgggaa	aaatcaccgc	agccgcagct	gcagccctaag	caaggccagg
59941	cctgattcct	aaagagacca	ggtctcacat	tgggagtggg	gagccactga	gtcaggagcg
60001	gcaggactgt	atctggcacc	agctcaagtt	gtcaaccaga	gactgggcca	cgtgtaacgt
60061	agagcacagg	tgagggtcca	caccgacgcc	agRgagcacc	cctacctccc	acactggtgt
60121	ttgcgttgta	actgggagaa	agggcgcct	ggccccagcc	ggccccctacc	tgtactgtgg

FIGURE 1-Q

60181	gatgatctgc	aggettgag	ccggctttat	ctgaaacttc	agagtcaccc	cctcgaaccc
60241	aggggtccact	ctctcgggtc	cccggcaggg	gttcagctgt	ttccggggcc	ttctctgggg
60301	tggggcccgag	ggagtcctccg	gggggtgcag	acggcgggccc	ttttgggtga	tcctgggtctg
60361	tgtgtccttg	gaatccctgt	ccagcagcag	gcggccctga	gtccccagag	ccatcgggtc
60421	ccagcaaggc	cccaggacYg	gggtgtcctg	ggcagggggac	tgacccagcc	tctccactgt
60481	ctcttgagg	aagcacagg	cggtgaccga	ctcctggcat	gcaggccaga	gggacctggg
60541	gagaagggca	gtgggggtcac	gttttcttgg	gtgactcctg	ggtttagccg	gccagggggg
60601	tccaacttgg	gccggctctt	tgtgtaccct	tgacaggct	acacacccca	cctgaggttc
60661	agtcatttct	aactctgggt	ggaaggttta	agagttgcag	taattgcaac	tcacctcgcc
60721	cactgtgggc	ctcccaggca	cgcccagccc	tcacatcaa	tcaaccctt	acggcacccg
60781	tagatcaccc	aggcagggac	cgccctaggt	gaccgaggca	ggatatcaag	cctctggctg
60841	caggatcgag	aaaaaggtta	cttttttctt	ttgtgttctt	tttagagacc	gagcctcact
60901	ctgtaccccc	gcctggagtg	caggggcgtg	atcaggactc	agtgcagcct	agaactcctg
60961	ggctcgaccg	atccttccgc	ctcagcctcc	cgagtagctg	ggacttacag	gcacgcgcca
61021	ccacgcccgt	ggcttgccat	aatatgatta	cgaattttat	cattttcatt	attattgagt
61081	tgcctcccat	aacccttgga	tgatccctgg	ggagtgccta	catcagcccc	agagacatgg
61141	aattgcatgg	cctctgatcc	ctagatgacc	ccaagtgtct	ctgggaccca	gaacctcttt
61201	gtaagtttca	gtaactatta	taaaattgcc	acttctcgat	aacccccaga	aagagaggtc
61261	atgacccctt	gatcactgag	ccaggtgggtg	aagtgttagc	gggggtccggg	gaatgggggt
61321	tggccttacg	cacctctcac	tgattctgca	gcactcctgg	gtcctcggtg	tctcctggga
61381	gggggatcct	cccagccgct	ccaggttcag	acagggcgcc	gccagaagct	ttgctggcat
61441	tgaggagtcc	gggattggct	cgccctccat	tgccccccag	cccagccccc	tccctaattt
61501	cacccggccc	tgtcccgtg	ggccccaccg	atgaaaccca	cctgggaggg	gcgggacctg
61561	tgtggtggga	gcgctcttgg	tagaggtatgc	gatgagcccc	agctgagagc	gaccagcctc
61621	ggcggcacct	ttcctctttc	tggctttttt	caggtcatcc	gcgcacccct	gcgtggcaag
61681	ggcggcctgg	acccccacaa	atccctccgc	agctgccggg	gcggggcctt	ccacgctagc
61741	cctccccctc	ggaaatgggg	gctcccaggc	ctctgccttg	gatccccagc	ggcatcttag
61801	atccccagag	gaaaagagaa	ccggggggccc	agcacagcag	atgcaggtgt	ggtttgtttt
61861	tgttttttgt	tttttttttt	ttgagacagg	gcctcactct	gtcacccagg	ctggagtggg
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61981	tcagtcctccc	gagtagctgg	gactacaggc	acttaccacc	actccacgct	aatttttact
62041	gtttttatag	agacgaggtc	tcgccatggt	gccaggatg	gtcttaagct	cctggcctca
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62161	acccagatc	tgtcccccaa	ggacactcaa	catgctgggg	cctgtgttat	cgatttattg
62221	cagctccaat	atgagtccac	tcctactcaa	accctgattc	tcaggggccc	ggggaaggcc
62281	acccactag	gggccctgtc	cccaccagag	cctggacatg	ggactctctc	ccaagcagg
62341	gtgttgtcct	tcacaggggc	ttccacgtct	ctcccgggcc	tgtccgcact	ctgggcaggg
62401	ctggcacctg	gctattccct	caatctgggc	cctggggcca	tggcaatgtg	gaatgggtcca
62461	ggtgttcattg	tcagtggggc	ttggggacat	ggccatccac	gtagaagttc	ctggtgatct
62521	tgggcagggt	gaattccgct	cttccaagct	ccggtgtcag	cacaatctgg	cagccagcc
62581	gcgagttctc	ctggaggagg	ggggccatgt	ctagcatgtc	gtcttcctta	gggtgggtgac
62641	acgggcagtg	ttagccgagg	gcaagctagc	tgggtgggtg	gggggcccaga	ggtSggggag
62701	ggagggaagct	gactgagcgc	agggggtagt	ggtgggggag	gcagctccca	ttccaggaac
62761	tggaaagtggg	gaggatgggt	ggggctgctg	aatgctccag	ggtgaagctg	ccagctagac
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62941	gaagggggcg	caggtgagtg	gcagagtcag	gaaggggctg	ctatgcgaat	ggcgtagagg
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63121	ggtttacaaa	cggacatctg	ggaggcccca	tttcccaggg	actccctagc	aggctgagat
63181	gcagaaccat	taaggagcag	ggacttggtc	gccaggtagc	tgagagggga	aaggccaggc
63241	aggctccccg	cagtctgtga	gcccttgctg	tgacctatc	actgtgctgg	gctaagtgtg
63301	ccccacctct	ccactgctct	tggaggatgg	accggctgac	tcagcagtca	gtgtgggtggg
63361	ggaaggaatc	aggcattagg	attttgtttt	tttttttttt	gagatggagt	cttgttctgt
63421	tgcccagggt	ggagtgagtg	ggcacagatc	cggtcactg	caagctctgc	ctccccgggt
63481	cacgcacattc	tcctgcctca	gcctcccaag	tagctgggac	tacaggtgcc	tgccaccacg
63541	cctggctaata	ttttttatat	tttttttagta	gagctggggg	ttcaccatgt	tagccaggat
63601	ggtcttgatc	tcctgacctc	atgatctgcc	cgctcagct	tcccaaaagt	ctgggattac
63661	agggcgtaaag	cactgcaccc	ggccaggatt	tttttttttt	ttttttgaga	cagggctcca
63721	ctctgttgcc	cagcctggag	tgccatggct	cagtcatagc	ttactgcctc	aacctcccgg
63781	ctcaagcgat	cctcccaccc	cagcctcccg	agtagctggg	actacatgtg	cgcacccacca
63841	cacctggcta	attttttttt	tttttttttt	ttgaggtgga	gtttcgctct	ctttgcccgag
63901	gctggagtg	aatggtatga	tctcggctca	atgcaacctc	tgctcccgag	gttcaagtga

FIGURE 1-R

63961	ttctcctgcc	tcagcctccc	aagtagctgg	gattacaggt	gccaccatc	acgcccagct
64021	aattttgtat	tttttagtaga	gatgggggtt	tgccatgctg	gccaggctgg	tcttgaactc
64081	ctgacctcag	gtgatccacc	tatctcggcc	tccctaagtg	ctgggattac	aggtgtgagc
64141	caccgcacct	ggccatattt	tttttttttt	tttttttttt	tgtagagacg	aggttcacca
64201	tgtggccag	gctgggtctca	aactcctaag	ctcaagcaat	ctgcctgcct	tggcttccca
64261	aaatgctggg	actacaggca	tatgccactg	caccagacca	ggaattaggg	ttgaaagaga
64321	cagaacctga	agttttctgc	tgaccacctg	cccttggtca	cacccccaca	tcctctgac
64381	acagagaccg	gtgcttgggg	atcatgtccc	tcctggccta	aaactttcca	aagggttttc
64441	acactcagaa	taaaatccaa	actccttcac	ttagtcttgc	agttccccca	tcctccctcat
64501	tcattccttt	gttttccttt	gtaatttttt	tcttagagat	ggagtcccg	tctgttgccc
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64621	gctctcctg	cctccgcctc	ccagagcagc	tgggactaca	ggcgccctgg	accatgctcg
64681	gctaattttg	tttttgtatt	tttagtagag	acagggtttc	accatgttag	ccaggatggt
64741	cttgatctcc	tgacctcgtg	atccgctcgc	ctcagcctcc	caaagtgcgt	ggattacagg
64801	cgtgagccac	cacaccttgc	caggccactt	acctctacta	gcccggcaca	gtggctcatg
64861	tctgtaatcc	cagcactttg	ggaggccaag	gcaggcagat	caactgtggt	caggagtttg
64921	agaccacctt	ggccaacatg	gcgaaacccc	atctctatta	aaaatacaaa	aacttagccg
64981	ggcatggtgg	cagttgcctg	taatccacgc	tactcgggag	gctaaggcag	gagaatcact
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65341	atgtatttac	ctgtgggatt	attgtcccta	ttagaccgaa	atggatgtga	gatgacagag
65401	gccttatttg	ttttgtatat	tgctgcctga	cgcgcagtag	gtattcatag	aaaggcagca
65461	cagattagtg	gctacaatgg	actggtgagt	ctagtattgt	cactcacttg	cccttagacc
65521	aggtctactt	aacctggggt	ttagttgcct	catctataat	aggaataaac	agtctctact
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65641	tatatatata	tatatatttt	tttttttttt	tttttttttt	tttttttttg	agacagtctc
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66361	tcaccaatct	cactggggga	cagatgacaa	agtaggaaac	aaaacagcct	ggcattgtgg
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66481	agttcaaggc	tgacgtgagg	tatgattgca	tcatggcact	ccagcatagg	cgacacagca
66541	aggctccgtc	tcttgaaaaa	aaaaaagtga	gaagtgcctat	atatcatatc	acactgataa
66601	gacagagtaa	ctagggcctg	ggtacttcag	ctgggctgag	gggaatggga	ttgttagggga
66661	catgacattt	acactgaggt	ctgaaggatg	agaaagagcc	agaatgtttg	ctgggaaagc
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66841	cattttggga	ggctgaggcg	ggtggatcac	ctttcaggag	tttgagacca	gcctggccaa
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67021	ggttgacagt	agctgaggtg	cagtaagcca	ttgcaactca	gcctgggcaa	caagagtga
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67201	taacaataaa	gagcttggca	acagatgagg	ccatggtgag	gggtttggat	tttagtccat
67261	atttgggtggg	aaaaagacgt	gaagagacac	acctRatttg	tggKtttttt	tttttttttt
67321	tttgacaaaa	tgtataagga	cctcctta	tccctctgcc	cggttcttac	cttccaggtc
67381	caccccgtgg	cgctgggcca	ggtgaagaac	attgtccccg	actctgccac	tcactgggat
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67501	tgccgaactg	gatgatgggc	tcaggggccc	ggtagaatct	agggttagga	agtaggaatt
67561	gaggcttgac	gcacaggtac	tgaatagggc	aaagcagaag	ggggacctcg	agatgaagct
67621	acagggcaag	atggggacca	gagggaattcc	gtgggatgag	gaatggggga	cttggccccc
67681	tgcactcaca	cgtccccggg	ccgctccggg	ccgcccgcgt	cctcctctcc	Mgccgggcgc

FIGURE 1-S

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67861	tccccagcgc	cacccccctc	cccgaacccg	aagtgccccc	aggtctgttc	caacagggtg
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68161	agcccactgt	ttgtcccaag	aaccagccaa	ctctgatttc	tttaaaacca	tttacttaca
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68521	ctccgggaga	tgggcacaa	gtccgactcc	cacaKacaga	cagcagggga	ctggcagaga
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70261	agtaggaagt	gggcgagcct	gaatagaagt	gagacagggg	gcccccgcca	ctcccaccgc
70321	tgctccgttc	gccgaagcca	ctgggcgggg	gggacatctg	tagaagaagg	gccggtggag
70381	tgaagcagac	aattgtagta	cccagccctt	tgtatacaat	cttccctcYg	cctcccaggt
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70621	aggcgtgagc	caccatgccc	ggcagttctg	ggctttgcaa	agactagctt	tggctaatag
70681	gactgaggag	agctggcacg	tgggtaccgg	cctcctcttc	ctcctccagg	aaccagggga
70741	tcacaccgc	acgaatgggc	acacagaaac	tgttccagcc	tgtggacgcc	aaatatgtga
70801	ggccacatag	ctcactgaga	cccaggtgag	tgccggggac	cgccactgc	cccatagagt
70861	ggcaagaagt	aataMaatgc	ctggcatggt	atggtggctc	atgcctgtga	tcctagcact
70921	ttgggaggcc	aaagtgggag	gatttgcttga	gcccaggagt	ttgaggccac	agtgaactat
70981	catggagcca	ctgcactcca	gcctgggcaa	cacagtgaga	tcctgtctta	aaaaaaccca
71041	caaagaacac	acaaaataca	aggtctgctg	ttccaggcta	ctaagtcatg	gcacagctcg
71101	tcattgtagta	aaagctgatt	gctacacatg	ccataccagg	tggctcttac	cttgtgtcgg
71161	ctgggtccgt	gaggcccaag	ggctggttcc	cgtgggtggg	agaagagccg	ccgaggtccc
71221	atgtcctgaa	tgaaagcggg	agaagcacat	tgggttgagg	tctgtcccag	cctcaccctt
71281	ggctgaactc	catggcagag	ctgtcatcag	ggaagacagt	ccccaccact	ctgggaccag
71341	gaagaggcaa	atttggggct	ggatgcagct	tggcagggat	ggctgtgtg	aaggggggtg
71401	cccccatagg	gcctaagtgt	ttggagtctt	ccaggcaagc	tgggaattcg	agctgtgtgg
71461	actcttgtag	ttttcctgtg	ttggcgttag	ttcctgttgt	tattgtttg	aaacacagag

FIGURE 1-T

71521	ggggccaaac	atcacccagg	tgacctgtgg	gcggccagtt	tgcaatttct	ttcttttttt
71581	tttttaaacc	gagttttgc	cttgttgccc	aggctggagt	gtaatggcac	aatcttggct
71641	caccacaacc	tccgcctccc	aggttcaagt	gattctcctg	cctcagcctc	cctagtaact
71701	gggattacag	gcatgtctac	cacacctggc	taattttgta	tttttagtat	aaaacataaa
71761	ttatatattta	tattatata	gaaatatata	ttttattata	tattttataa	tatataattt
71821	ctccatgttg	gtcaggctgg	tcttgaactc	ttgacctcag	gtgatctgcc	cgctcggcc
71881	tcccaaagt	ctgggattat	aggcatgagc	caccgtgcct	ggcccagttt	gcaatttctg
71941	acctgccaa	gaggttggca	tcatagaagg	accaaattct	caggggcaca	gacaggaatc
72001	aaaggtggga	gagagggata	gaaagggcaa	gccctgtctc	tggggagaga	cagtggtggc
72061	taagtctct	tgggagagaa	agacagacgc	aggatgacag	acagactgag	acccaagatc
72121	ctccagggct	cgagaatgga	cagacaggca	ggtggaccgg	aagcaggggg	tgatgtgcag
72181	acagacggga	aactttaagg	gcatgaggct	gggcgcggtg	gctcttgcct	gtaatcccg
72241	tactttggga	ggctgaggcg	ggtggctcac	ttgaggtcag	gagtttgaga	ccagcctgga
72301	caacacaatg	agactccgtc	tctaccacaa	atttaaaaat	tagctgggca	tgagggtgcr
72361	tgctgtggt	cccagctcct	caggagactg	aggtgtgagg	atcgcttgag	cccaagaggt
72421	tgaggctgca	gtgagctatg	atcgaccac	tgactccag	ccagggcagc	agagggagac
72481	cctgtctcta	aaaaaaaaaa	aaaaaaaaaa	cagagaccat	atctggcagc	ttccctggcg
72541	cctccctagc	acatggcctg	gcatagtcaa	tcctagagaa	atatcagttt	ggagaatgat
72601	ttggccttag	gggacagaga	gctgcagcca	ggcactcacc	gaggggtagt	cgaagctgta
72661	gctgtcagac	agtccctggt	cggggggcag	gcgggcgctg	ctgagggggc	tgagcaggcg
72721	ggacttgagc	tggaaggctt	tgctgtgct	gctgccacct	ccaggggctg	gggggttagt
72781	tgggggggccc	tcagctgggc	ggcggcttct	cccgggcgct	ccccagcccc	gggcctcctt
72841	accgcccagg	ttgctggcgg	ggagcaggct	gtgtagggtc	aggtagggat	tcaggggaat
72901	ccggtagtcc	ttggggggct	cccccagcag	tgagacctgt	ggcgggaagg	caggattcga
72961	gagggccccc	gggagaggga	accctgcgga	acaggaggct	ggtgtggtgc	cgcgcgagg
73021	gcagggcctt	accccagggg	gcgtcggcag	aggccactg	tctttctgga	ggcctctgag
73081	gccagagcct	cggagcccca	caggggcggg	gggaggagt	agctgggccc	ctggggggacc
73141	caagcccagg	gcctcccgg	cacccccagc	agggccaagc	acggatggca	gcaggggtgg
73201	tggttccct	cgccggggcg	gcagctccgg	gggcaggccc	cctcctagg	agggaaagg
73261	gatttcagg	gcccaggctc	acaggacccc	tctcccagg	gccctccagc	tcccacctgg
73321	accagggccc	aggggtcaag	agacaaatcc	atgctggcca	ctgagcagag	ctcatccctg
73381	ggccctgagt	ggagggcacc	caactgatgg	acaagggcgc	tgggacccag	aggttgggtc
73441	actcacccga	ggccacgtag	cagggaaggga	aggggaagt	gctgggggac	accgtgtggg
73501	cagggtctgc	gttacctgca	ggcagctccc	cgaggagggg	gttggtggc	tgggccccag
73561	gctggagggc	gcccagggtg	gagtcctcca	ggatgccggg	cttctaggga	cagagcacag
73621	acagttgcag	atgggggcag	ggtggcccag	ggaagcagac	aggtgtggcc	cagagtcttg
73681	gcagcacac	gccaactcca	gggcacggcc	gacccctggc	agacaggcac	agggttcccc
73741	agtgcgccgc	acactccaac	tctatcactg	tcccatcagc	catggtgacc	gaggttctcc
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73861	tggaatggga	cagccacaca	gtgtttcagc	cacttttagt	cacagaaggc	cagaccaca
73921	ggctcacata	ttctgtcagt	taccaccaga	cagacacacc	tgacttagaa	tcagggaac
73981	cacaccagac	aggacggagc	atgggtgtat	gtctatgtgt	gtgtgtgtct	gtgtgtgtgt
74041	gtgcgtgtat	atctgtgtct	ttgtttctgt	gtgcatgagt	ctgtctgtgt	tctatatgtg
74101	tgtctgtgtc	tatgtgtgtg	tctttgtctt	atgtctttgt	gtgtctatgt	ctctgtgtgt
74161	atatttgc	ctttgtatgt	gtgagtctat	atgtatacct	gtgtttctag	gtgtgcgtgt
74221	gtgtgtgYgc	acacactgag	gggatagacc	tgaggttttt	tcccaggcat	gtctatagag
74281	cttccgagca	gagtctattc	acaaactggt	gcccagcagc	ggcgctccca	gcccacaccc
74341	agtttcaggc	tgtaaatggg	cgtgtccagg	tcccctgacc	ccaccccagg	caccaagtcc
74401	aggggcgctc	tcagaatgga	gggaaagatg	gcgaaccatc	atgagcaatt	gccagagggg
74461	gatggggatg	tggttgggaa	aggcaggggt	ttgggggagt	cgccctcacc	ctggttctgc
74521	gcccccagg	cacagccaga	ggtcccccca	ccccaccgat	cgcaccagct	gtgttgaaaa
74581	gagcctgtag	gggctgtaga	gcagtgggtg	aggggatg	gtgtgttacc	ttctggccct
74641	gggtctgcag	ggcgagctgc	aacagcgccg	tggaacaggc	tgggccattg	agcagcgcca
74701	tggttggggg	ggcaccagg	aggcctggag	ggagacatag	gaggatgtgt	gggggtccct
74761	gtgtcctccc	tgccccacct	cacgaaacac	agccctgaac	ccattgatgg	ggcaggaaac
74821	tgacactctg	gggcccgggg	gtgggcagtg	gacttgccca	aaggaagggc	ctagaagggg
74881	cagaggtac	cccaagtgaag	gtcagccccc	tcttgtcagc	accccacctc	actgaggtgt
74941	gctgtgtggc	cctggtcccc	gccccagtt	gtggacagca	gcagcccccg	ctatgactcc
75001	atactcccc	tcggccctac	tcctggggct	cctgtcactg	cagccaagat	gagcagtttc
75061	gggaagtgcc	gggggcagcg	ctgcagcccc	tggtctgcac	agtggggccc	ctgtccagcc
75121	ccaccttacc	ctgcttcccc	cccgcactgc	catggagcag	ggggttgagc	agcagctgga
75181	gggacgcgga	tgggcccagg	ttgttgagca	gctgcaggat	gttgggctcg	gggaggagtc
75241	ccttcccccg	attgagggcc	tgcaaggaag	aacagaagca	gctcagagtg	ccgctggggc

FIGURE 1-U

75301	cctgacatcc	ccatggggct	cccaccccc	ccccgccacc	tctgcccga	caggetcacc
75361	gtggcctggg	cagcgatgag	agcggccagc	atactgcggc	cgggggggcc	aggggcgcag
75421	aaggagactc	gcaggtggct	gccccccagg	gacaggccgt	ccgcttgctg	ctgtgcctcc
75481	tccgccatct	cagccgtctc	atactccagc	accgcgaagc	ccttcagctg	cccatcctgg
75541	ccgcacgcca	gctgccggag	gaaggcaggc	agtcatgagc	atctgggagc	cagtgactgc
75601	accaccccg	gaagtgcaca	ccgtaccag	actcagctgc	cccataaggg	tgaactccac
75661	gccaggcctc	cactgccctg	tgcctcattc	ctgcatcagc	tcacttgatt	ttcccaatga
75721	ccctgggagg	ctgcatcata	cccatttctc	agagaaggca	actgaggcac	ggagaggcca
75781	gcgcacccaa	ggccacacag	ctggaggagg	ggcggagctg	ggagccacct	caccaacaaa
75841	gccaggccca	cgggcggatg	cggtggctca	cacctgtaat	cccagcactt	tgggaggccg
75901	aggcgggcag	ataacctgag	gtcgggagtt	cgagaccagc	ctgaccaaca	tggagaaaac
75961	ccgtctctac	taaaaataca	aaattagcca	ggcgtgggtg	cacatgcctg	tattcccagc
76021	tacttgggag	gctgaggcag	aggcaagaga	gtcacttgaa	cctgtgaggc	agagggttgc
76081	gtgggcccag	atcgcgccac	tgcactccag	cctgggcaac	aagagcaaaa	ctccatctca
76141	aaaaaaaaaa	aaaaaaagag	ataatcagca	acgggtgggg	aaggaaaggg	tctcgttcca
76201	gacagtggcc	aagccaggta	gcagtgtctaa	gggaagtggg	tgggctgggg	accggcactt
76261	gctgaatgcc	cgggcagcaa	agggtcagggt	agcagccctt	cacctctgcc	cacgcccctg
76321	gccaaagtct	gggcacagat	ctcccataac	caaacctgtc	ggcttttgtt	ttgttttgtt
76381	ttttttgaga	cagagtcttg	ctctgtcacc	ccggagtgc	gtgatgtgaa	cttagcttag
76441	cgtaacctcc	acctcctggg	ttcaagtgat	tctcctgcct	cagcctcctg	gtagcttcaa
76501	ttacagggtg	gcaccaccac	gcccagctaa	tttttgtatt	tttagtagaa	atgagggttc
76561	accatgtcgg	caaggctggg	cttgaaactcc	tgacctcaag	cgatccgcct	gccttggcct
76621	cccaaagtgc	tggattacag	gcgtgagcca	ctgtgcccg	ccataaacac	acccatctta
76681	gggatgaaca	gagagagact	cagaggggtc	acagagtgat	caaggccaca	caattcctaa
76741	gtcgagggac	tgatgtgtga	acctcaagct	gcttcactgt	caagcccacc	ctccattcag
76801	cYgggtcacc	taacattaaa	ggtgggctcc	tcggaggaca	tcacttcaac	gcctgctact
76861	catcagatgc	tcaacaaatg	tttgggtgaga	ccaggcccag	tggctcgaat	ctataatccc
76921	agctctttgg	gaggcaaaag	caggaggatc	gtttgagcac	aggagtttca	gaccagcctg
76981	ggcaacatag	ggagacccca	tcttcacata	atTTTTTTTT	TTTTTgagg	agtctcgctc
77041	tgttgcccag	gctggagtgc	ggtggcatga	tcttggtcga	ctgcaacctc	cacctccctg
77101	gttcaatcaa	ttctcctgcc	tcagcttccc	gagtagctgg	gattaaaggg	acctaccacc
77161	acgcctggct	aatTTTTTTT	ctatttttaa	tagagacagg	gtttttgttt	ttgttttgtt
77221	tttttttgag	acggagtctc	gctctgccac	ccagactgga	atgcagtagt	gggatcttgg
77281	ctcaccacaa	cctctgtctc	ccaggttcag	gtgattcttc	tgcctcagcc	tcccaaatag
77341	ctgggaccac	aggcacatgc	caccacaccc	agctaatttt	TTTTTTTgta	TTTTTaatgg
77401	agatagggtt	tcaccatggt	agccaggatg	gcctcgatct	ccagacctcg	tgatgcaccg
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77521	tttaccatgt	tggccaggct	ggtttcgaac	tcctgacctc	aagtgatctg	cccgcgcgag
77581	cctcccaaag	tgtctgggatt	acaggcatga	gccactgtgc	ccggcctcta	cataaaattt
77641	taaaaatcag	ctgggcatgg	tgaYgcattc	ctgtagtctc	ccagctacat	gggagcccaa
77701	ggtaggagga	tttcttgaac	ccaggagggtc	gaggccggag	tgtactcctc	cagcctgggt
77761	gattgagaac	ctgtctcaaa	aaaaaaaaaa	attaagttta	gtgaatgttc	gagtggagga
77821	atgaatgggc	agctgttcac	aacaacctga	tcatgaagca	ctgccagccc	cattttgaga
77881	tgtggaaca	ggctaggaga	gtacctgtag	ctggctcatga	ccctgtgacc	tttgatctcc
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78121	tcccagctac	tcgggaggct	gaagctggag	aatcacttga	accaggagg	cggaggatgc
78181	agtgagccaa	gatcgcgccc	ctgcactcca	gactgggtga	cagagcaaga	ctctgtctta
78241	aaaaaatata	aaataaaaata	aaagaaaggt	gaggccattg	tgctaactca	tcttctgtcc
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78361	aagcagcaga	atggatgaat	gataagtaaa	cagagagggg	gttcccgtgg	ctcatggata
78421	ctcagttttt	gttttttttg	tttctttgag	acggagtctc	gctctgtcgc	ccaggctgga
78481	gtgcagcggc	acgatctcca	ctaaccgcaa	ccgcagtctt	ctgggttcaa	gcaattctcc
78541	tgtctcagcc	tcctgagtag	ctgagattac	aggcgcggtg	cgccatgcct	ggctaccttt
78601	ttttttttgt	tgtattttta	gtagagacgg	gatttctcca	tgtttgtcag	gtggtctca
78661	aactcctgac	ctcagggtgat	ccgtccgtct	cggcctccaa	agagctggca	ttacaagcgt
78721	gagccactgc	gcctggcctg	tttttttttt	tttttttttt	tctgtttttg	agatgcagtg
78781	ttgctttgtc	acccaggctg	gaRtacagtg	gcgtgatctc	agctcactgc	aaacctccacc
78841	tcccagggtac	aagcgattct	cctgctcag	cctcctgagt	agctgggatt	acaggcctgc
78901	accaccacac	ctggctaatt	ttttttgtat	tttttagtaga	gacaggggtt	caccatgttg
78961	gccaggctgg	tcttgaactc	ttgacctcaa	gtgatccacc	tgcctcggcc	tctcaaatg
79021	ctgggattac	atgcatgagc	cacctcacc	agcctgtttc	ttgttttaaa	tatagagatg

FIGURE 1-V

79081	gtgtcccaact	atcttgccca	ggctagtctt	gaactcctgg	tctcgagtga	tcctcctgcc
79141	tctgcctccc	aacagacacc	tagtttaa	ggggcacc	taccccaact	acacgagagg
79201	gacccactca	agcccacaga	gctgggggtc	cgagcccagg	actgtctctc	tgtttttgag
79261	atRaggggtc	agctctgttg	ctcaggctgt	agtgtcatgg	tgctgtgggtg	cgatcatggc
79321	tactgcagc	ctcggactcc	cagaatcagg	caatcctccc	acctcagcct	cctgagtagc
79381	tgggactaca	ggcacacccat	catacctatc	taatttttgt	atagagagga	tttcaccata
79441	ttgcccaggc	tggtctcgaa	ctcctgggct	cgagggatcc	gccccctca	gcctcccaaa
79501	gtgttaggg	tacaggtgtg	agtactgca	cctggccagg	cctaccctt	ttaagcctct
79561	gcactggcct	ccgctcactg	gcccagctc	tggagctagg	ctgcggtgtt	ctgatcccag
79621	ctctgccaga	ccctggctgt	ttaactctag	gcaagttact	tgaccctct	gtgccttgg
79681	atcctcacct	gaaaatggga	gtgatacctg	cctctcagg	ttgctacagg	atgaagcaac
79741	tgaagggttac	gtactcagag	tccacagcga	gtgctgggg	aatgtcccct	ttgggtgctc
79801	tggggatcaa	gaccttctgg	gggtctcttag	agagtgaagtc	tggcctgttc	tcgccccact
79861	gcacctgtta	cagggcgagg	cacacacaca	gaagtgcctg	gcattgtgtg	cttgaatgaa
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79981	aaactgcagat	cagagagcca	gtgactggcc	cgagctcgag	ggcggggctg	ggatctggca
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80701	ggcgggtccac	acagaggcag	cgggagtggg	gaagggcagg	cgtcagttgc	ccggcatccg
80761	tccagtgcac	gtagagggtg	cgtgttccca	gcggcttgcc	cagcaggtcY	gacttggcac
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81481	aaatggatat	aacttaatca	tcacaatcac	cattttgcca	gagaggaaac	gggcccagag
81541	cagcacccct	gtgccccgag	taggggagcc	tggacttgaa	cccaggcagc	cggactccag
81601	aggcccaactc	tacacactgc	ccaccctgc	cacctttcca	ggccaccagt	gcccctgaac
81661	cctgctgcca	cgtgctgccc	cagatttgcc	atccaccag	cggccgcagg	aagctttgtt
81721	caaaacgatac	acgccacatc	catcttggtg	cttctagctg	cagggtgcag	tgacgctgt
81781	gcgggctcgc	tgacctcccc	tcccatctca	ccgctgccac	ccggaccacg	ccaggcacac
81841	tccagagggg	cctttgcagc	tgctgtttct	tgagcatgga	acactgagcc	ccacctcctc
81901	acctgggttaa	cctggaccca	cccaggtaga	aacctgtct	ctactaaaaa	tacaaaaatt
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82021	tgggtgaac	ccaggaggcg	gaggttgag	cgagccgagc	tcgcgccact	gcactccagc
82081	ctggcgacag	agcaagactc	catctcaaaa	aaaaaaaaaa	aaagaccaca	caagcagggg
82141	tgactggctg	agtgaaggca	gaggggtgaag	aagagaatga	acccacggcc	aaacgttgtc
82201	aagaattagc	tcaatgccaa	gcgagtgag	taggaagaga	atcagcccga	tgcccaggtg
82261	tctccaagga	gaacatgaag	gctgtcccaa	gatgacagga	tgacaggcag	attggggcaa
82321	cctgccatgt	tggcctgggg	ggcaatactg	ggcctgaagc	tcagagcagc	agacagtga
82381	ccaggccctc	ccatcttcag	ggatggctac	tccctgccct	ggcccRccc	atggccccac
82441	aaacctgtcc	ctttgtattt	gtccacaaaa	cagtatttga	gctcatagtc	actgagcagg
82501	tcatgtactt	cctgtggaga	tacaagacaa	aagacaggga	gttactggag	atggaagggg
82561	gcaacccagt	gccgcttcat	agctgccacc	agctatgaag	gcaggtcaat	taccaccccc
82621	cattttacca	atgaggaaac	tgaggtcga	tgagtaatt	ttgtcaaggt	cattctgtct
82681	atacctggca	gagatgggat	tcagaaacct	gctgcagact	gtgctattac	ccagggaaca
82741	tgctcttaga	gggtatacct	ttagctggct	gggggggggtg	gcYcacgctt	ataatccag
82801	cattttggga	ggccgaggcg	ggtgaatcac	ctgaggtcag	gagttcgaga	ccagcctggc

FIGURE 1-W

82861	caacatgggtg	aaaccttgtc	tctactaaaa	atacaaaaat	tagccaggag	tggtggcgca
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82981	agaggttgca	gtgtgccact	gcactccagc	ctgggtgaça	aaggagagaca	ctgtcaacaa
83041	caataacaac	aaaggccggc	gcggtggctc	acgcctgtaa	tcccagcact	ttgggaggcc
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83161	cgtctctact	aaaaatacaa	aaaaattagc	cgggcgcggt	ggcaggcgcc	tgtattccca
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83281	gccgagattg	cgccactgca	gtccgcagtc	cagcctgggc	gacagagcga	gactccgtct
83341	caaaaaaaaa	aaaaaaaaaa	aaaaaaaaata	acaacaacaa	aaaaaaaaaa	aaaaaaaaag
83401	gccgggctca	cgçctgtaat	tccagcactt	tgaggçtgta	ggcaggcgçg	tcacaagatc
83461	aagagatcga	gaccatcctg	gccaggaagg	tgaaccccca	tctctactaa	aaatacaaaa
83521	atcagctggc	tgtgggtggc	tgcacctgta	gtcctagcta	ctcgggagac	tgaggcaaga
83581	caattgçttg	aaccçgaggç	gtgaaggçttg	cagtgagcag	acatcaagcc	actgçactct
83641	agcctggcga	cagagtgaga	ctccgtctca	aaaaaaaaaa	aaaaaaaaaa	aagagtatgc
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83761	actctgtaag	tgaagtatta	acaaactcat	gttgatatag	agaaaactta	ggctaggaga
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83881	ctggggagcc	cacçttctag	taagccçcçc	gttggtgggg	ttcacatgçc	tcccaatttc
83941	ctcctgctga	taaagctgçc	ctçttccaag	ccagctcatt	tatttttçtt	ttttttagag
84001	atagtgtçtt	gttctgtcac	ctaggçtaga	gtgtagtagc	acaatcatag	ctcactgçag
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84241	tcaaagtçgt	gggattaaag	ggatgagçca	ccatgçccag	cçtçtcaagc	cagçtttgaa
84301	ggçaaagtgc	tgggcççtgc	tgggagçaga	cacactgtgc	atçttgçagg	agagacaatg
84361	tgttccçagc	tgagagactg	cagacactga	gaggaagacc	cagaaaagaa	cçtgaccatc
84421	çttaatgatc	cçtgçtccçga	tçtgçtccçca	aattcagçcc	ctcccaacat	cççtgggçtt
84481	ccactagçca	cgtgçccacc	cgggtgtgçtg	gtgggçcçga	gagcagggaa	tçtcagçagc
84541	aggaaagçag	aacçtatçttc	accgçcatag	ggcagggçag	tatagatgçc	atttccçtgç
84601	gtccaaagag	cattgggaag	cçgtgçccca	tgçtgçccçc	atgagaaggg	cactcçtagc
84661	aggaaagatta	gccacgaggç	gçtccataga	acacaggççt	cçgttççttc	ctgtaggtçt
84721	gtaggçtggt	ggcagaagac	ccçattttcc	caaattaatc	ctgaggtttt	gggggçtgag
84781	accçagggçc	tgçtgçttaac	ttccggçattt	atçtçtgaga	gçagtgaata	acçgçgtgag
84841	atggaggggc	gtactçtccg	cagtcçtgaa	acttçtgçat	gtgaggtçcc	gccaccçtgt
84901	ggtagagtgç	gtggagaaaa	gcatcatcca	agcagggggc	aactggtggg	ccaatgtacc
84961	agccçattca	caattccçca	acaggaccaa	agçtgçtccg	cccçttccat	tccçcgçccg
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85141	cccçgçtgga	tccggtgçtt	gggçgçccçc	gccaacgacc	cccçgçcacc	tcagçgttgç
85201	tgtçgçccçg	ttccççccçc	gcacgçgçac	cgtggçtatt	cccçgçcagc	tcctacacçg
85261	ccçccçccaa	tacçtggttg	gtcacgtçcc	cçgggagggc	cçggatcagç	atçttgçggc
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85441	cagacttagg	gçtcagçggg	ggççggtgag	taacggacac	gtccgççgçc	atçttgggaa
85501	accçggçgçc	ttçtgggacc	agçgagççgg	ggçggagçgg	catagagçgg	caacgagggc
85561	gçgçccçgtç	attggçtgçg	agaaaacçca	cçtççttçcc	gçccçççttg	cccçgttgçg
85621	taagccçcag	ccçacçtçtc	aagagtcaa	gçtgçgtçtg	cçgçccacag	gçccçgççcc
85681	çttççgtçgc	agçgacgçta	çtcagtgçat	gtgacççtgç	gtgggagaga	çttgçagçgc
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86341	atçtttccat	ttcaagtçct	gggggçatgt	ggçtçggtca	attttgggac	catçtgçtga
86401	accacçatgt	gtgatcagac	acçcaacaca	cccagggçac	agtggtgçag	aggagçgtçt
86461	aatçtttcca	gggçaggggt	ggagggattta	aaggtcaggg	tgacçgactc	acacaggaçt
86521	cçgagçtgga	cçgtactçgt	cçtgçtgaag	aactçgççgt	ccacçtçgag	agtgçgçactg
86581	cagaagaagc	tgçgtçççtc	gtcactçtçg	gtagçattta	gçtgaaçgtg	agçtgçgtçg

FIGURE 1-X

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86761	aggaagccta	aaggcggggc	attgcccagg	agcttaatga	acaggacctt	cctgtgggtc
86821	aagccgctcc	ctccgccctc	ccctttcctc	tcgggatatc	cgggccacgc	tttcggccgt
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88201	tggcaMaata	aaaaaaaaatg	aggatggaa	ggatgaacgt	ttatgactat	gatatgaata
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89521	aacataggga	gatcctgtct	ctaaaaataa	ggtataaaaa	agtgtaaatg	taaaacctcc
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90301	tcacttgaac	ccaggaggcg	aaggttgcag	tgagccgaca	tcgtgccact	gcactccagc
90361	ctaggcaaaa	agagcgaaac	tctgtctcaa	aaaaaaaaaa	aaaatgcttg	ttggggccca

FIGURE 1-Y

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90541	tctgagctct	gggtcagaac	tgtggtccat	tctttgcaa	ctgaggggtc	ccactctcct
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91261	aaattttcagg	agttcagatg	gagcaggaag	catgaggggt	gtgtgtgtgt	gtgttagggg
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91381	cagaactttc	tcccagggat	acagagtcag	cggccaggtc	gcagtgtggc	aggatgtgaa
91441	cagcgttgctg	ttctattcct	ctaccctcta	ctgatcccca	aaacgcagcc	ctctccagcc
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91621	cctgaggtgc	ccgaagggca	ggcaggggaa	aaggcggggc	ctccactgc	gacggaagca
91681	cagcggttaa	gattgcagaa	gtctggggac	tgcaccttgc	ccaggcctgt	gggtggaagg
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91801	agcactgctg	agtctcccc	agggaatggg	ctggtcccag	ttgcaactgt	ggcccccat
91861	tgaattcaca	ggaaatgcta	actaaactgg	tttcttttgt	tctcagcact	gggaagcctg
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91981	ccccagagag	gaagttaatg	gggaaaactg	taggcaccat	tgtgtagatg	ttaagggtgg
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92161	caaagtgttg	cgattacagg	cgtgagccac	cacgcctggc	cacctttgaa	gatcttgagg
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92341	ttgtttgttt	gttttgagac	agagtctcac	tctgtcacc	aggYtggagt	gcagtggcgg
92401	gatctcggct	cactgcagcc	tctgcctccc	gggttcaaac	gattttcctg	cctcagcctc
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FIGURE 2-A

>4:87306501-87383000

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241    ttgtcttttt tcacaattct gtaataattg atggtaattc aatagatatt tatctttatc
301    taactttatc tttaaaacta tcccaagttt acttattact gctacggttt taaattgcag
361    cagctgaaat atagtaggac aaatgcataa tttggaataa gactaaatat tgcatttcac
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2101   gccccaagat ggagttagca acaacaatga aattcagaag aaagccacca tggggcagtt
2161   acagaacaag gagaacaata acaccaagga cagccctagt aggcagtgtc cctgggacaa
2221   gtctgtatga ccccagagaa gcagcatgaa caatggatcc cccacagctc tatcagcag
2281   caaaaccaac agcccaaaga acagtgttca caagctagat gtgtctagaa gccccctct
2341   catggtcaaa aagaacccag cctttaataa gggtagtggg atagttacca atgggtcctt
2401   cagcagcagt aatgcagaag gtcttgagaa aacccaaacc acccccaatg ggagcctaca
2461   ggccagaagg agctcttcac tgaaggtatc tggtaacaaa atgggcacgc acagtgtaca
2521   gaatggaacg gtgcgcatgg gcattttgaa cagcgacaca ctcggaacc ccacaaatgt
2581   tcgaaacatg agctggctgc caaatggcta tgtgacctg agggataaca agcagaaaaga
2641   acaagctgga gagttaggcc agcacaacag actgtccacc tatgataatg tccatcaaca
2701   gttctccatg atgaaccttg atgacaagca gagcattgac agtgctacct ggtccacttc
2761   ctctgtgtaa atctccctcc ctgagaactc caactcctgt cgctcttcta ccaccacctg
2821   cccagagcaa gacttttttg gggggaactt tgaggacctt gttttggatg ggcccccgca
2881   ggacgacctt tcccaccca gggactatga aagcaaaagt gaccacagga gtgtgggagg
2941   tcgaagtagt cgtgccacca gtagcagtga caacagtgag acatttgtgg gcaacagcag
3001   cagcaaccac agtgactgac acagttagt ttccagcctg aaacaggaaa tgaccaaaaca
3061   gaagatagag tatgagtcca ggataaagag gtaaggaaaa tctggaggtc gtaactacca
3121   gagagggctc agtagcctcc tactgtggga caggatcaca ctgaggggtg catatgctgg
3181   ctccaaagtc aaagaacac aagtttgcct catcatttat gagctttgtg actgtgtgca
3241   agttagcttc atctctgtga gctttgattc cctaagttaa acaatttaaa tactagtagt
3301   atctacctca aaagcacata agaagtgatt gaacatttcc ctggtacaga ataggctcaa
3361   taatgtcatc tttgattatt attaaataga tagatttgca ttagaggggt ggaaggagag
3421   gggctgtgag gagatggaca gacattagg agcctgttag ttttactaa caagaaaagg
3481   atgaaactag ggtaaaaaaa gtagaagtaa atagacctcc atgttttatt ctttcaatca
3541   ttgaatgttg agagagtgcc ttctatctgc caggctctgt tccagacgct gaggattcag

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FIGURE 2-B

3601	atgagctgag	agaggccata	agagccaggt	gacatagggg	attgacaggg	tgattttcag
3661	cctttgactt	ttactctgag	atagaaatcc	atggaggttt	ttgagaagag	gggtgacgtg
3721	aagtatgttc	acatgaataa	ggaagactgt	agcctaaatg	aggaaaaaag	aatatgattt
3781	Rtaaagaagc	aattatgcta	aaacctaatt	atatcaatgt	gcatcttctc	ataaaatgat
3841	caaagtagga	gtagctcctc	tagtgttctc	agtcccagtt	tcaggctgtg	tgatttggac
3901	aacccttcct	ccatggtgtg	ctaggatcct	cagtYggttg	ttaaagtggc	tttaatttac
3961	cttaatatgt	ttcctatcca	ttcatcaatt	atcagacaaa	aagataacgt	actttcagaa
4021	gctatggcaa	aataaatatt	aaaaaatact	acttataaat	gagattgaaa	aattacttcc
4081	ttggaaagta	tttttttgg	aagtttcact	gagtgggaatt	gtggtttgaa	tttttctata
4141	taatggagag	tgacaggaga	tttaaagaaa	aatataggg	cattatctta	aaagggttact
4201	cttctttctg	aatgtagttt	ttggaaccac	tatgtattgg	aattctgaat	tactgccaat
4261	ccatgatgat	aaattagcat	ttcacactgg	gaagcttata	ttttgaggca	aggggtcaca
4321	ctttaaatgt	agtagaaaaa	gaaaaaagtt	atcactatga	atttgcagat	ggatacattc
4381	atttctgagg	atgttgctga	tgcatatatg	ttctgagatc	tacggtatat	ttcagagatt
4441	ttgataaact	gatagaactt	cccaatagag	gtcatcttaa	tgggccattt	cagtgtcaca
4501	ttcttaccct	cRtgacaggc	caagggagag	ctctgcagta	gggtggagg	tgggggaccg
4561	ctcgtggcct	agccatgaaa	ttatagaaag	ttactgttc	tggctaaaatt	ttgatcattt
4621	ctgttttagag	ttattcat	ttctttaaat	tcctttataa	ctttacccca	caagcattga
4681	aggtgatagg	atggatagat	aggtaggtag	gtaaataggt	aggtaggtag	gtaggtagat
4741	gatagataga	tagatagatg	atagatagat	agatagagag	atagataata	gatagatgat
4801	agatagatag	agatagatag	atagatagat	agatagatag	atagataata	ttttactttg
4861	tttaattatc	aataagatat	atgtttaaat	cattttataac	tttaccaccac	aagtatttgag
4921	gggtgatgga	tggataggta	ggtaggtaaa	taggtaggga	ggtaggtaga	cagatagata
4981	atattttact	tttaattatca	gtcagtgaga	tatatgggtt	ttagttttga	aacatatatt
5041	ctttttccct	ctccaaattg	gtttctaaact	ttttcttttc	ttattttttt	ttatgtttta
5101	ttttttgaca	gagtctcact	ctgttgccca	cgctggagag	tgcatgtatg	caatcttggc
5161	tcactgcaac	ctctgcctcc	caagttgaag	cgattctcct	gcctcagcct	cctgagtagc
5221	ttggattaca	gatgcatgcc	atcatgactg	gataattttt	ttttttcttg	tgagacagg
5281	ggttttacca	tggtggccag	gcagctcttg	agctcttgac	ctcaaatgat	ccaccacact
5341	cggctcccca	aagtgtctgg	gttacaggca	taagccatgg	cactcagcta	gtttctaaca
5401	attttcttag	gaaatattgt	attgtgggtca	gagaagttca	tctggatgat	attaattatt
5461	tgtcttatta	aaactattcc	cttattactg	gattgggatt	ctatatatga	ccaagagatc
5521	aagtctgtta	atcaggctat	tcaaagcttc	tgtatttctt	ctcattttta	tcagctatat
5581	caataatttt	tgagaaagat	actttaaaaat	ttcctatcag	tattctgagt	ttatcagttt
5641	ctttttataa	ttttgtcata	ttttatattg	aacaatttga	ggctctacta	ctaggtgaat
5701	agaagtttgg	agttgttcac	atctccctga	agaattgatc	cttttatcat	taattagtgc
5761	ctatttttca	ttgtaataat	gctttttacc	tgaaactcta	ttttttctga	tattaatatt
5821	gtcctaccat	cttcttttga	ttagttaact	cctgatatgt	cttttctttt	atttaacttt
5881	caaactttgt	ttgatgattt	gatctaacaa	cttacatctt	tacaattctg	gaatattttt
5941	ttcatcatct	ttttgtctat	ttcatcttcc	caccttctca	attttctctt	tccagacccc
6001	ttattaagct	atgtttgacc	ttgttaactc	atcctctgtc	ttgtttaaact	tcttttttcc
6061	atattaaatt	tctataatta	tcatttttga	ggcattctag	gtaacttttc	tcagacctgt
6121	ttttagctt	actaatactc	tgatgagcta	attcaattct	gatacttccc	caggccccatg
6181	attggagatt	ttgtagtctc	ttcttcataa	aaacagttaa	tgttccaagc	tctcagttaa
6241	attacttgta	gttttctgcc	tgcttaatac	tggaggcctc	accttctgtc	cccatgtgaa
6301	aaagaaaaac	ctagacccaa	gctctgtggc	ctctatccaa	gactaatatc	cttcgtgtgc
6361	ttctacttat	tgttctatat	ttcggtttct	tccttggttc	tgatggctga	agctgctggt
6421	ttattttaac	cttgatgatg	tattttaaaa	atatatttct	taaaactttt	ccagcacttt
6481	tatatgtttg	cattggggagg	gatttcttct	gtattcaact	tagtcctttt	cattcctgga
6541	agtttcccac	aagcacctga	tacatacaaa	tgtgtcaata	tattgttttg	taagggttgt
6601	ccttctcagt	attttaattt	caatttcttc	caaaattttg	gctctaaaaa	agctttggaa
6661	aacaaagaga	atatattgta	gaataattct	gagtggaaac	cagcatagta	ccaacttttc
6721	atgtaaaaaa	gtggtcatat	gtttaaaaata	gccttctaaa	tgatgtagga	ttacaaaaata
6781	tgaagtatta	ttttttaaaa	ttctagtgtg	ttacaaaagag	aaggaagatt	aattttttaag
6841	tgttcttatt	atctggatga	aatatcaaca	tgtggggatc	aaatttttca	aagcagaaac
6901	ataattgaga	ttttaattta	aaaactgtta	ttaaaataat	cagatatctg	agagctacac
6961	atgcattaac	ctttcaaatt	tcagtgggtat	ggtaagtttg	aatgagtccc	atgggacttt
7021	tgctcagaat	aggagaaatt	aaaaagtcag	ccgaggccaa	gatacatctt	aaataaagat
7081	gtaactttaa	tacccctctt	ttgaataata	tatgtatatg	atttggatct	tagtgggtat
7141	ggagaaaaaca	gtctctgttt	ttaaaaacgt	tactgcgaat	tctacaatta	tccaaaagct
7201	atacaaaaaca	actatcaatt	tatagagata	taaaataacct	atgccagag	ctatattaat
7261	aacttgggaa	gcagtggagaa	ttggggatgg	aaaggaatgg	gctttat	tacaaaatat
7321	gagatgcagt	gcttattttaa	cacatgtgat	ctttacctct	cgtatcaatg	taagctcatt

FIGURE 2-C

7381	actttgggta	ctcttttata	agatgggact	ctatatgctg	ccaaaaaccc	cattcttagc
7441	agtgaactta	accaacaatg	acatttttct	atcactattt	ttccttttat	agaaggcaaa
7501	tgttattgcc	ctcttttttt	tttttttttg	ttactatca	gacttttctg	ctgcatttag
7561	tgtagtgaac	ttYacaattt	aatgtccagg	aagctttctg	cctcgtctgc	ccggcatgtg
7621	ttactggctt	atctgtgctg	gcattcactt	atttactatt	aaatgacagc	tgcttccaag
7681	agaggccttg	ggacctaata	actaagggtg	cagtaaatca	tcttagcaaa	cagtaaaata
7741	atacaacaaa	attacatcct	ttaaatcatt	gaaagggctt	tattccaatt	tcctaagcat
7801	cataaagagt	ttagaaaaata	tttgtatgtc	tcttgcatth	caagtgaata	aatcacttt
7861	atctcttact	cttgcgtccc	cacccccac	cccccccaac	atcctttgta	gcttgaaca
7921	gcgaaacttg	actttggaaa	cagaaatgat	gagcctccat	gatgaactgg	atcaggagag
7981	gaaaaagttc	acaatgatag	aaataaaaaat	gcgaaatgcc	gagcgagcaa	aagaagatgc
8041	cgagaaaaaga	aatgacatgc	tacagaaaga	aatggagcag	tttttttcca	cgtttgtaga
8101	actgcacagt	gaaccagga	gaaccgagag	aggaaacaca	atatggattc	agtgcgctg
8161	ctttgcctg	ctgtctctga	tggtctctgg	aaggactcca	gggattctgg	tggtgatatga
8221	cttagaacca	gggtgctggt	cacctggatg	tacagaagtc	taactggtga	aggaatatca
8281	tttacagaca	ttaaacatcc	atatctgcaa	tgtgtacca	agttatatca	tgccccataa
8341	tgctactgtc	aagtgttaca	actggatatg	tgtatataga	gtagtttttc	aaaagtaaac
8401	taaaaatgag	aagcatatth	caagaattat	tttattgcaa	gtcttgtatt	taaagtgtta
8461	atcaatWtgt	tggtgcaatt	tagcttgctt	tcaagcttca	ccccttgca	ttacataaag
8521	ctatttttgg	cattgtgtta	tcacggctt	attttataga	tcaatattth	tatttccctt
8581	ttttgctgag	gaaatgaaga	taagcaaaaa	tataaatata	tataaaata	tatgagttat
8641	taaaatcaga	agaatactth	gtggctgtgc	tgtttgtgcc	aatagactth	gtcatgacca
8701	aaaagagaaa	tgtaaatagt	tttataaaat	acagtcgaat	caccaggaac	ctttgagctg
8761	cttttaaaat	tcttccctg	gcaccactca	gttttgcctt	tgcgaggcga	ttgacatag
8821	gaactttgag	actccatgag	aaagtccctt	tctgaggccc	actgtctacc	ttgccagatc
8881	ctcagtgcgt	atcgccaatg	caggatgtct	cttagaaaag	aaaaaatggt	aaagaatggc
8941	atttaacgat	tcaggctttg	aattactctg	tccctctgga	ccgaatctct	ttactgctg
9001	Satagtttta	gaggaattct	cctgctactt	aggtaactgg	aaacaatgct	tgctaaacca
9061	tgccacgtg	agcacctgtc	tccactcaa	acctctccca	tctcccaaca	actgcactth
9121	agaataccag	cagtgaatg	gtattactgt	ttccctctga	gtgaaactgc	tagagtatat
9181	gtcacgtagt	gacatttttt	tctcactcag	gctattgcca	tctgggattc	tctccctact
9241	acagctggca	aagttggttt	gcagcaagaa	gatagtggga	ggggggccag	ctgcaggaga
9301	aggagaaaaag	tttagaagaa	acaaaccatt	ttgcttctaa	ttttgacagt	atcactttcc
9361	tgttaaaaca	tacaataatt	ttaaaagggtg	aatgcctaaa	gttccaattt	tagcaaatat
9421	gggaacctca	gcaatgctaa	ttttctagaa	aaaccaggg	ctctttggag	ctagagtttt
9481	gggagaacag	ttcttcacaa	taaggcaatg	gttttgagag	gccaggcaaa	taactttctt
9541	caccgtagaa	caaaaagtta	caaaaggcat	aatcggaat	agagactaca	tacttgagtt
9601	tatgggggtt	gtgttggttg	aaggttcaat	gcttgcatgt	gtttatttat	tttcaagagg
9661	gaaagtggtc	tgtagtctt	tcactcctgc	cactgtcttg	ctttattttt	ttactctccc
9721	actgagcaag	cRtctgtggt	cctatgggtat	caaccagtat	ctttatagca	ataattttct
9781	taattccctt	ttctctctct	ttccaattat	ttaaccagtt	acttccacct	ggacatacga
9841	taggaaattc	aaactcaaaa	tatgaaatt	gatcttaata	actctccctt	catatctttt
9901	cacctatttc	cagtccttat	catagttgat	aaaaacctca	gactcatcca	gaaagctata
9961	tgaTgcacta	gtaaaaaaa	caaagatatt	caaactgctt	gggttcaaat	ggtatacaat
10021	ttgccagctg	ttactgaacc	ttctatgcat	aacttttttt	ttcctctgtg	caattggaat
10081	aataaaaaata	ctactcccat	agagttgtta	tgtgggtctta	atgagatagc	ttgggttagg
10141	ctgagcacag	ctgctagttag	aatccaaaaa	ggggccaggc	atggtcgctc	acgcctgtaa
10201	tcccagcact	ttgggaggcc	gaggcgggcg	gatcacgagg	tcaggagact	cagaccatcc
10261	tggttaacac	agtgaacccc	tgtctctact	aaaaaaaaat	atataatat	atatatacaa
10321	aaaattagcc	gggtgtggtg	gtgggcgcct	gtagtcccag	ctactcggga	ggctgaggca
10381	ggagaatggc	gtgaaccccg	gaggcagagt	ttgcagttag	ccaagatcaa	gccactgcac
10441	tccagcagcc	tgggcgacag	agcgagactc	cgtctaaaaa	aaaaaaaaaa	aaaaaaaaaa
10501	gactccataa	atgttaacgc	atattttctt	tctttctttc	tttctttttt	tttgtggggg
10561	gacagtctca	ctgtctcctt	ctgtcaccca	gtctggagtg	cagtggcatg	atcacgggtc
10621	actgcagcct	tgacctccct	aggttcaggt	gatcctccca	cctcagcctc	ccgagttagt
10681	gggactgcag	gcatacgcca	ccatgcccag	ctaatttttg	tattttcttt	tgtagagaca
10741	gggtttcgcc	atattgccc	ggctggtctc	aaacacctgg	gctgaagctg	tctgccctcc
10801	tcagcctccc	aaaagttatg	caagatgcat	agcaatgacg	ggtcacttaa	ttgtctggg
10861	actacaagcg	tgagccaccg	cgcccagcca	actcatatth	ttcttctcta	cccacttctt
10921	cactcataaa	tttgctcacc	agctaattcta	ttccactcat	ctttgcctth	ttaatctgct
10981	ctcttttaac	acttttccct	taccttttga	tgaaggcatc	ctacccagcg	cgttttgttc
11041	cagcatctct	cctgtactth	tgtcctttgc	aggctgcctt	ttcgaaatta	ttcatctgac
11101	catagcttga	tcttgctcat	tacatatgat	gactgtcact	tgcccaggac	aaagcccttc

FIGURE 2-D

11161	acatagtgta	aaaggtccta	ctgccagttt	cattcttgtc	tcctaccact	tcccaccaca
11221	cctgccatgc	catttcatac	ctctagaact	ttccacttgc	tattgttgtg	tccttcttgc
11281	ttgccttctt	tctagctggc	atgctccaaa	catcctttaa	gagccaaatc	aatgtcagtt
11341	tcctcatgaa	gcttcccaga	atctcaaata	agtgttagtt	gctttttgtg	ccccattcgc
11401	cattatctct	ttctgtcttt	cccacatctg	attatcttct	ttatcaaata	agaagcaatt
11461	tagggaggag	agtgatgaag	tggaaatagc	agaaaattga	gagccattca	aacctagatc
11521	tgccctctca	catgccttat	gcaagatata	tggcaatgcc	aggtaacttg	acttgtctga
11581	tctcatctac	aaggtggaga	taataactcc	tacaaagtag	ggatgttgcc	gtgggttaatg
11641	gtgggtatgta	atgtgcttat	cccgggtgct	gtcactttgc	tccactgata	actctattga
11701	taaatggagc	ttcttaaggg	gccaaagattg	tatcttcttg	ctgttaaatac	cctccatgcc
11761	ttatgccaaa	gagaatgtca	gcacagtga	tttgcaagta	tttttgggaa	tgcaaatata
11821	ctcaaacaca	cacacacaca	caggtgtgtt	tgtggcctgt	gatattttgag	ggatgatatt
11881	atcaatttta	attgtcaatt	tcagtgatga	tggcactaat	caatggatac	catgagcagc
11941	atgttcatct	gggtttccgt	tagtcaaata	aaaagcctag	acaatattaa	gtacaattaa
12001	cataagaata	aattggaaat	caataaggat	acaaagtagt	taggtagtag	caagatttca
12061	tttcatctac	cctgtatatg	cctctttaaa	actatttagg	taattaaaat	gaatcttaag
12121	ttataaactc	gagaaaggat	ttgctttcag	atgtggggcc	tactgtgtta	gcctcactat
12181	tcaaaactaga	tgtctgggta	tcctttggag	aacatttaag	gtagaattgc	ctatgatgtc
12241	agctctactg	aaacatgatt	ttattatatg	taacattatg	aaatgactaa	aatctccagc
12301	tcggagttta	gtaatcattc	ccattgattc	tcaagctggg	atattcttca	aaaaatcatt
12361	cccaggctgg	gtagtttata	ttattgatata	aattatgaca	ccttgaaaat	tcaggagagc
12421	attaaataat	gtaatgcttg	ccgcaaacc	cagtgttctc	tacactgcag	agctgcactc
12481	tgattagagt	accatacgca	tgagttttgg	aatctacgac	caggtgtcaa	accagctctc
12541	gccacctcat	agctttatga	accataattt	tgtaatatat	ataagcctaa	atttgttttt
12601	ttctggaagt	agagttaata	gttcctccct	tatcataatt	ttatgaggaa	tgtagtacaa
12661	taggtgaagg	gattaacata	gtgcctggaa	catagtaagt	gctcactaaa	tggaactat
12721	cagccctcaa	attatttctg	ttgaaagagt	gtttcagctt	ctaaggaacg	tagcaaggtt
12781	ctggactcag	ggatatgacc	agcattaaaa	gtatcatgat	caccagcaca	ggatataatt
12841	atatcttggg	ctcagagact	cttaagttta	tccgtgccca	gataatctgc	cagggattga
12901	tggaaggaa	agtaacccaa	accactcttt	ctttctgaga	taatacaatt	acatccatga
12961	tctgaaaaat	atgtctaaac	aactacgtgt	aactgtcctt	catcaactct	atccatgtct
13021	acactaaaga	tgatgttggg	tgtaaagggt	attggataaa	atacaatgaa	tgtttctgag
13081	ggctatcatg	aataaaactga	gggctgtgga	ctaggtcctc	tggggtacat	aaacttacag
13141	ttattgccat	gttatatgat	gtgctgtgga	agtaactaaa	gagaccataa	aggtgaagct
13201	caggagagca	ctgcagagcc	gtgactttgg	tgtgagtcct	aaagaccagt	aggaagtcac
13261	cagacagagc	ctgcagagcc	gtgactttgg	ttcctagccc	atggaacagc	atggcaaatg
13321	tgccctcagg	gtagacccta	gggagtcttt	tcaataaaaat	aaacatgacc	taccaagttc
13381	atgccatcaa	gatggcattg	tgccctaacac	cttagcagca	cgatcatgaga	cctgaaaaca
13441	cacttagtac	ccacgcggct	tctactctct	tattcaRaga	aagcatccag	agctggaaac
13501	attttgcctt	gtttgaaact	acaaactaca	ggaaaggagt	gctggaactg	tggctcccaa
13561	aggctctgtt	cattattctc	tttatagctc	tcttaactgc	acaagtgggg	aatgagttga
13621	aagttagaac	tgcccagctt	aaggccctct	tgctctgaag	tgacttggag	aactaacagt
13681	tccccaggca	gctaaaatct	actgaacctc	ctgtagatct	ttcagtaaaa	agtttagctg
13741	atgaaaagtg	tggtttttaa	agcaccattt	gtggctcagg	tccaggKttg	aatgatactc
13801	cttattttatg	aaacttctgta	tagctgctgt	ctgtatggcc	tcttgaagga	taagccacag
13861	tgaggccagc	cttttcttaa	atagggaatg	agggcaacag	gaSaacagtg	aattgttagg
13921	gggcaaacca	aattggcatc	attttctttg	agcaaaactg	tctcttactt	ctgggggagg
13981	ccccgagcat	cccacctgtt	cttgccaata	gaggatgtcc	atcccaactc	tctcttctcc
14041	acacacccat	tccctgttcc	ctacccctc	atgattcact	agattaatta	tgcaccacac
14101	tgaagtgatc	cccagggtca	tgccatcaga	ccctcatcgc	tggttacctg	ttgccaaaat
14161	agtccaagtt	cccattgccat	ttttccttca	tctatttgc	tatccccata	ttgccagtg
14221	tattctctca	tttgcttcta	tctccaatgg	cctccccctg	cctaggactt	ttccattatc
14281	ccctctagat	cttacaatgc	catcacctc	ccctatgtcc	tcttctctga	atcatggttg
14341	cctcctgaag	acacMatctt	ccctgcagcc	ctctcaagcc	tagctatctt	cctctctaca
14401	acctgcgtat	cattggcctg	aaggggagac	atcttgcttt	gctatttgca	gctactttca
14461	gacctttta	ccttcttctc	ctctaagtac	cttcttaca	gcacatgtct	ccttactatt
14521	gactgaatat	tctagcacct	aaacccactca	ccctccccac	tcatactcca	ttcaccatct
14581	tgcccaactca	gtcccttgac	gacttttgaa	aatcttgctt	tgccgctgcc	tgaacatcag
14641	ccaccacact	catggttaca	ctgcgtactg	tgcatgact	aatcactggc	atcgccaaca
14701	gttccatttc	aagcatccca	cgctgtgggc	atcacttctt	ctctctctag	tcaactccct
14761	tagcaccatc	actccaaatt	ggtaagtttt	cagcgactat	catcccccat	ttcattactt
14821	ccctccttga	ccagcttagc	ttctatgggt	ccttctcata	attattctct	tgcccccat
14881	tccaaatccc	attatgtact	ctccagcac	tgtactactc	ttttgagaat	taaaaagaaa

FIGURE 2-E

14941	caaattgcaa	ctctagtaat	tttttcttac	tcttaacctg	tgcctaaaaa	aactaaacat
15001	gactggagaa	caaaagacca	ccaagttgac	ctgtgttcct	ttgtatttat	atKaatatgg
15061	ctcacatggt	tttcatcact	gtccagtaac	ttattgtcac	agtttccaag	gtcaatttca
15121	cacttctcaa	acttccacaa	actcttcatt	gtctactgac	aaccttactt	ctatctttac
15181	tgagacaaca	aaaaaaaaaa	tcagatgagt	atgtacttat	gccccatcac	tcaccgtatt
15241	cccaaactac	ctgcctctgt	gcacaccacc	tcactgcctg	ctgcagttac	tgtccagggc
15301	cagcgcctct	gcccattgtac	tgagacctgt	ccctccaccc	ttttcaagca	tgttactcta
15361	tcaataaaat	atccctttct	cttttgcat	atcagttttg	ctatctctct	gttggcccca
15421	ccagcactat	tacccatgct	atattagctt	ttaaaaaWt	ctctcaatct	cacatttatc
15481	tccaacgttt	acatcattct	tttgcctgac	ttttagaaaa	aattttttga	attttctgta
15541	tctattttcta	cttccttact	tcccatgttt	tcttgaaactc	actcgagtta	ctcttttctt
15601	gtcctaact	ggatagaaac	tgctctcatt	gggggtcatcg	atgaccttca	acaattttta
15661	gtccaactgt	gaatcttcag	ttcccatttt	actcagcctc	tcaataacaa	tccgcccctg
15721	cccatctctct	cacttttgaa	acaccttctt	tacttggctt	ccaggacagc	acactcctgg
15781	ttttccctct	acctcactga	acattctgga	ataccctcct	gttttctgag	gtctgtatgt
15841	tgagtgaga	ggcatctcca	tctttgtgtt	tctcttcttt	aactacactg	tcttttggtg
15901	ggctcataca	ggctcttggc	ttttaatact	acttataaac	tgattactct	cagatttctg
15961	tttcagctca	ccctcttcct	tgaactccag	cttataagac	actcctgcta	ctccacgtgg
16021	attttttttt	tttttctttt	tttttttgag	atagagtctc	actctgtcac	ccaggctgga
16081	gtgcagtggc	ttgatatcgg	ctcactgcaa	ccccgcctc	tccgggttcaa	acaatttctc
16141	tgccctcagcc	tgagtagctg	ggactacagg	cacatgccac	cacacccaga	taattttttg
16201	tatttttagt	aaagatgggg	tttccccatg	ttagccagga	tagtctcgat	ctcctgacct
16261	catgatctgc	ctgccttggc	ctcccaaagt	tctgggatta	caggcgtgag	ccaccgtgcc
16321	cggcctccac	ttggatatct	aataaacatc	tccaactgat	attccaaaaa	caaacatgat
16381	tttctcccca	atgtttttct	aaccctattgt	tcatcatctc	agtcaactgt	accatcattt
16441	acttcatggt	ttaggtaaaa	gaatctagag	ccatttctga	tctcttgctt	ttatatcaca
16501	atatcaatct	atcagcaaat	cttctcagct	ctgccttcac	aataggtcca	gaattcaaat
16561	ccttctcacc	atctcctttt	cctagtctaa	gccccatcat	gtctttctg	attaatgttt
16621	tatcctacga	tggttttttt	tgtccccatt	cttatctttc	ttcctaagag	tctcttttac
16681	tcagtagcca	aaggaatcct	tttaaaaaga	aaatttagct	tatatcattt	cctttttcaa
16741	atctaaccac	catcttccca	tatttagaat	caaactctcaa	gatcttgcca	tgtctgacc
16801	ctcgcttctc	tctccaattt	catttacaat	cccatttact	cttgttcaat	ctgctttatc
16861	cacaagactc	tttgccccctc	cttgtctata	taaacaagct	ctccctccaa	agcctgcccc
16921	tgctttctct	tcagagtctg	aaatgccctt	ctccgtgtca	atagctcact	ctcacttcag
16981	tcagggtctct	gagcacttat	ccccctcttct	gagaggcttg	ccctgaccac	cttgtctaaa
17041	atagcatccc	tttcccacct	tacttttttaa	cctgctttgt	ggtctctgta	cttacctcta
17101	tctgacttct	ccactagaat	gcagaccatg	tgaaggcaga	tttgcctgact	tcatcacatc
17161	aactatgtgt	acctagaaca	gtccttggat	ggttgacgtg	cttgataaat	aaatattttg
17221	tgcatgaatg	aatgagtga	tatttagagc	tctatgtcaa	atttctgggt	cagatgttca
17281	gggatgtttct	cagtttgacc	ttttaataaa	aaaaaacaat	aaatgaccaa	attctacttt
17341	aagttattttt	agggttccaa	cagtcaccca	tagactgaac	aaactccgaa	gatttggctt
17401	catgtaagaa	tgtcactgca	aagaagcttc	agtacccatt	gtgatcat	ttgctaattt
17461	ggagattgtg	atgccaaaag	tataagcccc	atgctcagtc	agcatctagg	tccaatagct
17521	ctcagaggaa	ccatacatca	aagcaaactt	tctgcaatgc	ggaaaagaac	atccatgcat
17581	ttttaaaaatg	aatttttaaat	tttaataaat	ttttaaaaagt	ggtttcatct	cttgtaatgg
17641	aaaatattca	aaattctcat	gctgattcat	gaagtatact	tatataatta	gacaaaataa
17701	gaacattgaa	agaagcagac	tccttgtttc	atcgctttta	gcaataataa	aaaatggact
17761	cRtgcaagtc	acaccactaa	tttaaataca	ttttgtaaaa	agatagcaaa	taaatgaaat
17821	aaaaatattt	gctttagttt	ttttaaacaa	agattttatta	actctgaatt	ttttaggtta
17881	aggaccatgc	aatatataatc	tcctacaccg	aagtgtccaa	gaaatgtttt	tgtagtaaat
17941	taatgaactg	ctttagaatg	ttgctcagaa	attaagctag	aaattcagag	caatattctc
18001	agggtttgat	ttacaccaa	tccaagttcg	caatgtatta	acatgaagga	ataggccatt
18061	gctttctgaa	aaccttcctt	ttataaaaaga	aatactttta	tattatgaat	tctcttggtc
18121	tgtgtaaaat	attatttgca	ttataaaaat	tgattttttg	gtataattgt	tcataggcaa
18181	tattttcacc	aggatgggtt	cacaagtgtt	aatggaaggc	gaattatgtg	tgggacagtc
18241	ttctagggaa	tatgtgaggg	gtttttaaga	tggataacat	tttgtaacctg	cttttgagtt
18301	gcaaatgatc	tggactgttg	gttaaacatc	gcagacaaga	tcaggtgaag	aacattacta
18361	gaagttcagt	gattaagaaa	taaagccacg	tacccacacg	agtgaatttt	gaattcctta
18421	aattccctca	aattattttta	tgttggaattt	tacaccagga	taggaatgtc	tttaaaagta
18481	agaaatattt	gacataaggt	agaaaatttc	aaaggagtgt	ttgacttgtt	gctggatgtg
18541	tcaccacatt	tcatgtgtct	gagaaatata	aatttctaca	gcacattttt	agtgccctaa
18601	acagactaca	atgatgtaaa	tggttgaaca	gttgaaattt	agtctggaac	tgggacagat
18661	gacttgccac	atagagtggc	tcccaacata	aagtgtatctg	tgatggcagg	actttcagcg

FIGURE 2-F

18721	tgtttcaacta	ttagcatgtg	tcattccaagc	atgcctttca	acatctgtgg	agaaaagaca
18781	tgttacaaat	acaaaacacc	accatgatga	attgggaatg	tcaaaaacct	ctgccttggc
18841	tgtgatccag	tggtgttatt	ggcaagtaga	ttcatccttc	taggttggtt	gctccataag
18901	taatcttcaa	gaaaagcaag	tccaacaccc	tttttctcc	ttactgtgaa	cttggtcaaa
18961	attaccaa	gtttggtaac	catttatggt	atcaggaatg	caccaataac	tccttctgac
19021	tctttaagag	caatcatctt	gtggaatgca	atttcccttc	ttattattgt	gggtatTTTT
19081	aggtagctat	gcttgacctt	ttttaaagag	agtaaggatc	tgtgatttaa	actaggtag
19141	aagctgttcc	agagataaca	aaaagctggt	gctttctata	ttccaacagg	aactaggtaa
19201	aacgataaat	gtgataactc	aaaataatgt	gtatgtttat	cttccaggct	ttctaatagt
19261	taattgggta	aataaaacat	tatttacaga	aatagaagag	ccactcctca	actgttcaaa
19321	cactgcaaag	taaaactaatg	caagtgcagt	gacctcttca	tccagccaca	aaatcatata
19381	tattttta	tctccaagga	gtttgagata	gtaaagtggg	atatcatgtg	gctaaacaaa
19441	ggcttttacc	ttttctcttg	gaaaatagtt	aaaatgaata	gRaactctgat	aattaatctg
19501	ggaaatttaa	ccctgctcta	cttacctaat	gcccccccaa	aagatgatct	tttttttctt
19561	cattgatttt	ataccttaaa	aagaaattac	tgaattgcag	atatacaact	agtatctaca
19621	gacagaaatg	Maggtcagtt	ttagaagaaa	ccagtgtcaa	atgaaaacac	agatttctac
19681	atggtcacat	tcatatcaca	cactcttgac	ccaaggtgag	aaagtaggtc	attccttatt
19741	tcttattttat	tccctggcac	aatcagacca	cactacaagt	ttcttttacc	agttgccaaa
19801	atgaaatcat	gacacccttc	agagctactg	tcgttacatg	caactcaaga	caacgagcag
19861	catcataacc	attgtcaaca	ggcaactccc	aacaatgtct	gggtttggat	ttggttttat
19921	gttgagagaa	gcagatttcc	tctgatttta	ataatccata	agaaacagaa	atcataatat
19981	attgactcca	tattacctaa	aaagagtcaa	aagaagcaga	agttctcccc	cgattcatcc
20041	tcttgttcca	cagacatttt	gaaaataaaa	gaagacaaaa	tagaaaggaa	agggtgtgag
20101	aaagaacaca	gaaatgactt	gaacgatttc	aaatccttat	taagcatcac	tgaggttga
20161	ttttacccat	tagactgact	gaatttagtt	ctcactgctc	agaccttgca	aagaaactgg
20221	acgtacatgg	ttttgccttc	cagggttgat	ctagaactgt	aagggtgcac	gtgaatgtgg
20281	gtatgcatgt	gtgtgtgctt	taagtccatt	ttataaacac	tgacacaaga	caattctcat
20341	cattggta	agtctttgga	gtccaatcat	gcagaaaaac	aggcaggtgc	aagttaggtc
20401	tcattgcaag	atggacatgg	caaggtgaac	agataatcct	acataaggat	tgggagattt
20461	gtgtccatta	gaatatactg	gccattgggc	ccacataagt	aaagttacat	atacaagatt
20521	ctatatataa	acagaggccc	ctcacttcag	tttggtgac	caaagaaaca	ggtcaaagtg
20581	agccattttc	agatagttaa	aggactaagt	accaaaagaa	ataacaaaat	cttatccctc
20641	aatcacaaag	aaaatagcta	aaataactat	ttacattgca	acttttttgt	tgtttttaca
20701	gagaggagtt	tccttgcttg	gcttaatgat	atctgtggaa	aatgttgaac	tcttataatt
20761	aaaatgtgtg	tgggggattg	tgagtgggga	gttgggttcc	tctttggatg	caaagtggct
20821	gagatcaaaa	atttctagag	caattttact	cctctttctg	agctgtagaa	gaatacattt
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20941	tcatatgtta	agagattcaa	atcgaaatag	attttgtata	atttagggtt	tgcaatgaat
21001	atttacaatt	ttaaaacaaa	tcaagtttgc	ttattttttt	ttccttgaca	ggacataaaa
21061	ggttttacat	atttttatct	attttttact	agttccattt	actaaggcca	actttcagtt
21121	ttaccagtca	gctgctatca	gtgtctttag	ataatatttt	tctgataaca	gattgaaaaa
21181	actatcgagc	ttcttaaccc	tcaattaaat	agcttactcc	aattggtggg	aactggccag
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21301	aaaggttatt	atcagttttt	attccacaag	aagaaattcc	gttgtaaggc	tagtgtattc
21361	ctatttaaaa	ttgaacacgc	tgaccacaaa	aacacatata	aaaatagtaa	agacatatta
21421	atagtaaagt	ggtggcggtt	ttgccaaact	cttgacgacg	tttaattttc	cctgcacatg
21481	agtacacagc	catccttcct	acaaaatact	gcaaactatt	ttattaagga	tcactgcaaa
21541	ccaactgccc	caaaggaagc	ctaacagaag	gttaggtccc	tcagagtgcc	aacttcatgt
21601	tccaaaatga	gccccaaccc	caggtagaac	cttcaacttt	tttcaggaa	attgtccagg
21661	tgacttgaca	cttgccctacc	ggaaaagtgg	ggatgttctt	gggaaataac	agggtgactat
21721	ttaagaaata	tttgggggtg	gtgtgtgtgt	gtgtgtgtgt	gtgtgtgtgt	gtgtgtgtta
21781	agacagacaa	gtgaatgcag	aacatattat	attctgtgaa	tttgataata	tcacacctc
21841	ctagacatat	tataggaaag	cagacctagt	gggcaaagga	ctggggggct	tttacagtgg
21901	tgattctctt	tggtgttcca	tcattctgcct	tgctttaatc	acctaataaa	actgatcctg
21961	caaaaattct	ggggggccaaa	tccttaacct	tatttgtaaa	tgatacttat	attcaaggaa
22021	tttgttccat	ttttctcttg	tccataaggg	aaatctggct	aaagctaacc	agctcccaag
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22141	gggcctgtgc	tagttcttgc	ctggtttacY	ctgaggggga	aattcaccac	ttatgcaggt
22201	acgagagata	gcctgtcaag	cactttgaag	atgctggctg	gagacttctt	tctgtcttgt
22261	gatgtcatct	tgcggctgat	gaaattcccc	ttgagactct	ctttaagca	gcttctgtct
22321	ctccgcactt	aatcccatgt	ggtataaagt	aagggagggg	agaagccaca	gatatatcaa
22381	gagaaaagta	ccgagaaaaga	aaatcagtaa	agaattagag	atacagagag	gagaagtttt
22441	taaaaaaaaa	aaaaaaaaaac	aggaatatga	aagagagggg	gctcaagtga	ctgaggaggc

FIGURE 2-G

22501	atttttaaca	atcagggttat	ctgcaatatt	aaccagaaaa	aaaatggtag	caaaatagag
22561	aaaatgggcc	atttttattc	caggggacaa	gctgcacaaa	ggaatgttct	tctattttatt
22621	ttaaacaat	gactgctgtg	actgaatctg	actgtgtgaa	ataatctcag	aatggcagca
22681	ccactggYat	ggcgaatggtg	caggtgggtg	cagttccctg	tggtctctat	tgcttgaaga
22741	gagaaagRaa	gttccctatt	attatattta	aggcagtttt	cagagcactg	gcattcttgt
22801	ttgctctgtt	ttggggatat	tctattttgcc	aatcagttca	cactcatcaa	ccatccactt
22861	cctgtctttc	acttcttcag	gtgaaatatt	accactctag	tgagcaccaa	catggtcaga
22921	gtgcaataaa	ctgtgatgga	tacttcgaag	tgaataagaa	gggaagcctg	attattgctg
22981	agatcacctt	ggtattgcct	tgtacataac	caagatgttt	cacagtgcct	ccttaagtgc
23041	tcaggaaagc	actttcattt	aatttaattt	aagctaaatt	ctggagattt	tgctaaacat
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23161	gtaaagttat	gggcagagtt	attgctctta	catctactgc	agtacaaaaac	tcagatgatc
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23341	acctgagact	cacactgtgg	tttgggggtt	tcattMttat	tattattatt	ttatttcaga
23401	agagaagta	aatattattt	ctcaaaataa	aactttggca	gagtatgaa	caggggaagca
23461	gcccacacat	ggaaaacaca	atccacaatc	tgaaagtagt	ctaggcaggc	tcattttttt
23521	gttgaaggaa	ttcacatgga	ggcaattctg	ctcagttcca	gagagagatt	cttatcatca
23581	aaagcacaca	caataacctt	gcttcaccac	ctgccacttt	ctccagtggc	ctcttgttgt
23641	gaccagtaat	tgagaaatga	caaatgggta	tagagccaaa	tctctaaaaac	aggggacacca
23701	gtgtctccta	gtatctgggt	aataacctcc	tttcagtctt	agtccacacc	acacactacc
23761	ctccagtctc	tcctactctt	tactgtcaca	gaaaagactc	tcagctttta	ttcacacctg
23821	ccttcWgaag	gccaaacat	tttgtgcctg	aaaactgtta	cccactcSc	ccacacttta
23881	cataagtatc	acatatgttc	tttctacaaa	ttggtataca	ggtgccattt	aatccattca
23941	aatttggaag	ctacatcttc	aagggtctga	gagagctcac	tccccccata	tattccccct
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24061	ctggcaatat	attacagatg	ggttttatgtc	agagtaatag	atcacatgaa	atggaccatg
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24241	ggccaaggag	caggttagatg	caagatagag	acacacacat	gctggatggg	gccactgcac
24301	accttgtcat	gccatttaaa	agggcagtta	caggttgccg	gttttgccag	cattaaaatt
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24541	tccttgctg	ttttcttgat	gttgtgtgtc	tgcatttgtg	tgtgtgtgtg	tgtctgctg
24601	tgtgtgtgtt	ccatcacatc	atctctgtaa	gaacgctggg	tttcgcaggc	agggcgctag
24661	tcacctgcaa	caaccaggg	gtcctgccga	ggcttcagg	ctgctgtcag	tgtcagatgc
24721	caggtgtctg	tcgggtggaca	tgaggagat	gtcattgaca	gacgaggatg	gagggagact
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24841	agaaccagac	ccatcttaat	gccattcagg	attcagggat	gggcaaatac	aatagggat
24901	gtccagtcga	tcaatcattt	ggcaagcctt	tatagagcag	ctgacatagg	ggagcatatc
24961	aaatggtgac	aatcaagaca	tagcaataaa	aagtccttca	tcacaagtta	tcaaatctca
25021	ctctatattt	gaaatcacct	gcaacacttt	ctattaaaaa	acactaatat	ctggctcacat
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25141	aaggattttg	cattttttatt	tattttattt	ttttgagatg	gagtctcgct	ctgtcgccag
25201	gctggagtgc	agcggcacaa	tctcggtcca	ctgcaacctc	tgccctccag	gttcaagcta
25261	ttctcctgcc	tcagcctccc	gagttagctg	gagtacaggt	gcgccaccac	acaccagct
25321	aatttttgta	cttttagtag	agatgaggtt	tcaacatgtt	ggccagaatg	gtctcgatct
25381	cttgacctca	tgatccgccc	acctctgcct	cccaaagtgc	tggtgattaca	ggcgtgagcc
25441	accacgcccc	gcgggcattt	gcatttttta	aaagctcctc	agagactgta	ttcagccaag
25501	cattgaaagc	ctctggctta	tgaggagac	aaataagcaa	aacccttaa	tgaggccatc
25561	tgagcctggt	tgtttttaat	gcagggagct	tttaaaacaa	acatatgcaa	gggtcctatc
25621	ccagaaatag	aagctgaagt	gaagttcaga	aatctgaatt	acttggggac	cacatctcta
25681	gagaaaggaa	gatataataa	tactattatg	tcatcattaa	tgacacacaa	cttaaaatgc
25741	atatagaaaa	gccagtagga	cataagtagg	actgttgatg	aaagttacaa	aaaaaaaaaa
25801	aataggagaa	gccttagcac	agcttttgct	tatgagctaa	ctctccagca	ggcttgctta
25861	cctgggatct	ccaaataaga	actccaaatt	attaacttag	attaacttga	aaaaattggt
25921	tatctgttat	gcgggagtat	aaggttgaaa	ccctgagaag	aaacctgccc	aYggtaatca
25981	ctcagtaaag	gctagctgag	ttgccagtag	ctttgagatc	aacaaaagaa	agatgaacca
26041	aaggcattgt	gcgataYa	taaacagag	cacctggaa	acaatccatt	tacttttttt
26101	ctttgtatat	tctttatacc	taagcaatct	gagtggtaac	acacttgctt	tgtgaaatag
26161	ctcgctatta	aaaatctgta	gtatagctcc	ctaatcaaat	aagagatgag	gaattctcac
26221	taaaattata	tcttatttga	gcaaatatag	tgtgcaagat	ctatttggtg	aaaaataata

FIGURE 2-H

26281	actccaaagt	cagttataat	agtgttatca	catagaccta	ataaatcaga	aagacaaaat
26341	aaaactaaat	taaggaaggg	Ragtggttaa	cataatcctt	gctcctggag	tagacatttc
26401	ttgcctgtga	gaaaagtgtg	atgaaaatgt	atcāgttatc	tagagaggac	acaaacacct
26461	aaactaagac	agatcacctg	tātcttccat	gtatttttaa	gttgattttg	ttgactataa
26521	atatatggac	gtactctatg	ggaaatgtga	aaaaatatag	gaaataaaga	taatgatatg
26581	caccgatctt	caaataaaaYg	gtaagaactg	ttaaactttt	catatatttc	ttcccggtca
26641	ttctttttgc	ctggaagttt	ccctggctcg	gatcttttaa	tatgtatttt	tttgggatct
26701	tgataatttt	aKatacagaa	aagcttatga	atttttcatg	ttctttaaac	tcctaaaaat
26761	acccatcctt	tctaatctta	aatgtctcta	gaaaagggtt	ttaaagtcct	cYgtttattg
26821	tctttctgta	aataattact	ctatcaggac	aatgtataaa	gttataatat	tccataatat
26881	tccaactttg	aatggcttta	atttattcca	actttactta	attatatccc	ccatagctat
26941	ggtagacagc	tggttcattt	cccctcatga	taagatttta	tctcctagca	gcacgcctt
27001	ggttccctta	cattgcccac	atgccctgct	ctgtttttca	cccccgattc	tggattaaat
27061	tataccaaYa	tccttcatat	tctttcataa	gttgctaata	atthagtgtc	actatgatgg
27121	actcctcaga	attctcttcc	atttatccac	actcttatta	aaagacagag	attaaaaactg
27181	gacacagggc	tctattataa	aggcctgata	aattgtgagc	ctagcagagg	gaaattgctt
27241	ttttcttact	atttgtctgc	tggatgacat	atccctagac	tatggatgcc	tttcaaatta
27301	tgggtgtaca	gcttaattta	gttttgactt	gaggtataga	atgatgtcca	tatatttttt
27361	gtaacagctt	tattaagata	taatccacat	atataattaa	gaaatttaat	tttcatgatt
27421	cagtggtttt	tagtatattc	acaacattgt	gcagccatca	ccacaatcca	ttttgcagca
27481	tttcatcatc	cctaaagaaa	accctgcact	ccattcctca	cctaccctgt	agctctaggc
27541	aatgactcat	ctactttttg	cctctataaa	attgcctgtt	ctgaacattt	catgtaaatg
27601	gaagcatatc	atatgtgatc	atttatgact	ggccactttc	atatagcaga	atgtttttaa
27661	ggcttatcca	tgctgtggca	tgtatctgta	tttcatatct	ttgtatggct	gcataaatatt
27721	ccattgtatg	gatacatcac	attttgttta	tttattagtt	gataggcatt	tgatggatat
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27841	gttttgatg	gacatgtggt	catttctctt	gggtatacac	ctagaagtgg	aattgctggg
27901	gcataagagta	attctagctt	taacacttga	ggaactgaca	aactgtgtcc	ggaattgggt
27961	ggttcttggg	ctcactgact	tcaagattga	agccgcggac	cctcgcgggt	agtgttacag
28021	ctcttaaggt	ggcgcgtctg	gagtcgtccc	cttctgatgt	tcagatgtgt	tcggagtttc
28081	ttccttctgg	tgggttcgtg	gtctcgtctg	ctcaggagtg	aagctgcaga	ccttcacggg
28141	gagtggttaca	gctcttaagg	cagcagtgct	ggagcttttc	gttctctcca	gtggctcgt
28201	gggtctactg	gggtcaggag	tgaagctgca	gāccttcgtg	gtgagtgtta	cagctcataa
28261	aagcagcatg	gacccagagt	gagcagtatg	aacatctact	gcaaagagca	aagaacaaaag
28321	cttccacact	gtggaagggg	acccaagtgg	gttgccaatg	ctggctcggg	cagcctgctt
28381	ttattctctt	atctggcccc	acccacttcc	tgctgattgg	tagagccgag	tggcctgttt
28441	tgacagggtg	ctgactgggt	catttacaat	ccctgagcta	gatacaaagg	ttctccacgt
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28561	ctagatacac	agtgtggatt	gggtgactca	caaaccctga	gctaaacaca	gggtgctgat
28621	tgggtgtgtt	acaaaccttg	agctagatag	acagtgcgga	ttggatatatt	tacaatccct
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28741	gggtgactca	caaaccctga	gctagacaca	gagtgtgat	tggtatgttt	acaatccctg
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29221	acagcgccgg	tgggcccggca	ctgctggggg	acccagtaca	ccttccgcag	ccactggccc
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29401	cgggttcccc	ctcgtgcctc	tccctccaca	cctccctgca	agctgaggga	gtgggctcca
29461	gccttgccca	gcccagaaaag	gggctcccac	agtgcagtgg	ggggctgaaa	ggctcctcaa
29521	atgccgcaa	agtaggagcc	caggcagggg	aggtgccgag	agcaagcgag	ggctctgagg
29581	actgccagca	cgctctcacc	tctcaaaact	gttttctaaa	gtgggtgcac	cattttacat
29641	tactaccagc	agtatatgag	gattccaatt	tctctacatc	ctcaccaaca	cttattatct
29701	gtctttttat	ctagccatcc	tagtgtgat	gaaatgggtat	ctcattgtgg	tttgatttgc
29761	atttgcttga	tagctaataa	tgttgagtat	attttttcat	gtgcttgta	gccattagta
29821	tatcttcttt	ggagaaagt	tactcagctc	ctttggccat	tttttaattg	ctttattttc
29881	tttttattat	tgagttgtaa	gctcttttagc	tctttcttcc	tttctttctt	gctttctttc
29941	ttctttattt	cttttttttaa	ggacagggtc	tcagtcgccc	agcctgtagc	acagtggcat
30001	agtcatgttt	cactgtatcc	tctaactcca	gggtcaggcc	aattctcctg	ccccagcctc

FIGURE 2-I

30061	ccaagtagct	aggactacag	gcacatacca	ccacacctgg	ctaattaaaa	aaaagatttt
30121	ttgtagagac	aggagcttgc	catgttgccc	aagctggtct	caaactcctg	gcctcaagtg
30181	atcttccgat	ttctgcctcc	caaagtgcgt	ggtctacagg	catgagccac	tgtgacaggc
30241	ctgtaagagc	tctttatata	atctgggtac	aagttactta	atgagatatg	tattttcaaa
30301	tgtttttcct	ctatgctatg	gtttatcttt	tcattttctt	gaagggtgct	tttgaagcac
30361	acatattttt	aatttttatg	aaatagcatt	tatctgttgt	ttcttttatc	acttgtgttt
30421	tagtgtcata	tctaataaac	catttttctaa	tccaagatta	taaaaactta	ctcctatggt
30481	tttgccaaag	agttttataa	tgttagacct	tatacttaag	tctatgattc	attttttagtt
30541	cattttttga	tatgatatga	ggcagggggc	caccttcatt	cttttgcatg	tatatatcca
30601	atcatcccag	caccatata	tgaaaaggct	attctttgtc	catgtcttac	atccttatca
30661	gaaatcaatt	gatcataaat	gtagggtattt	attcctggac	tctcaatttg	attccgttga
30721	tctatttgtg	tatcttcatg	caaatgtcac	tctgtcttga	atattgtagc	ttttagttaa
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31081	acttcttttg	ctaactttat	tcctaaatat	gtatttcttg	atgctattct	aaatggaatt
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31201	aagtttcagt	gtcagtggat	tggtgtgttaa	aaacagatca	aatgaatata	tatatatata
31261	tatatatata	tataaatga	atgttgta	taactagaaa	gccagtggaa	aaaataactg
31321	ccaggcgatt	atgatagcat	gctttattta	tgagaaaaata	accagtttta	aaatgtggca
31381	gttttatgag	aaaataacca	gttttaaaac	tttaaaaagt	tttaaaaata	aattgtggca
31441	taatacaaac	caaaaagtat	ttttaagctc	ttaataataa	tcttggctct	ctcttgagat
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31561	taaagttgag	taatgattca	aataaggggtg	agataagctc	tagctgaaat	aaggctccct
31621	tatagtaaaa	caatttgatg	tttacaata	aacacaaacc	cacaacaatg	gcagctagag
31681	aaattaaaca	aagagcattg	aagaaatttc	tccaaaacac	aaatttatat	ctacaaataa
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31861	gcataatttc	agcacacttc	tggaatattc	cgagtgttat	gccataccag	tcagcccctt
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32221	cttctctcta	attcctatcc	tctgtgttgg	aatggctctg	ccctctagtt	tatcaatggt
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32881	ccttggtctt	aagttgttaa	attactgcca	agcagtttgc	gaaaatctct	taaacagaat
32941	tgaactgaat	tgaatatgat	cattgtgttc	agttgtccag	tcaatgtgag	aaatatctct
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33241	acattgttat	gggggaaaa	gttgttctgc	tttttttaaa	ggcaatgatt	ttcctgataa
33301	cccccaatcc	caacaacaac	aaaaaaatat	ggtagacaca	gaattagaaa	aagcacaa
33361	atgaaaaaat	agtgtctttt	ttatctacat	gatcttgagc	cacaatttgt	ctgggctg
33421	gattttttta	taaaaagtaa	ataaaattaa	tggaactatat	tagtgacctt	aagacatatt
33481	cccatgggtg	ggaatgtggt	cctcactggg	gagagaatgg	ttgcatatta	aaatcaccca
33541	gaagctttat	ctttgaYtta	gagattttga	aaaatctctg	cccatcctgt	tgttcagcat
33601	ccttatctta	gtgagtcact	gttagttttg	ggagctttac	ttctcaggtg	gaagagggct
33661	ggtgaaacaaa	ctcagaattg	gtgaatcaga	tgctctcctg	tattttttct	agttctaacg
33721	tactataaca	aatgctttta	gaagaaaatt	aatttcaatt	catggactgc	tagtccctca
33781	gcaattgtta	cagatcaatt	caggaagcaa	gcagctatgc	catccttgaa	aataaattac

FIGURE 2-J

33841	tatgcaagt	aaatcagata	gcagaaggga	atacaattat	ttatttggaa	atgtatctga
33901	agttagatt	tatctcttat	tgacatacaa	caatttcac	aataaatttc	aaacctataa
33961	attattctgc	aatgacacat	ttaacttcct	atttacattt	taaaagcatc	gcataacatg
34021	ggtttcgtat	tagaagtact	tggcccctga	gatactgcat	taacttactc	ccttgctgca
34081	gaattcccag	tattgccata	actgaatact	aacagagtgt	gtgttataaa	aataccacag
34141	ctattttcaa	aataaaatat	gctacgtgaa	cattaatgaa	aaaaagctga	atataatgaa
34201	caatgcaaaa	aagctgactt	ttcaaacttt	tttttagaat	tgctttttct	ttccagcata
34261	gtttattata	cacacaaaaa	cgcatacaca	cagtgggtgcg	ccaataaaaa	tttaacaatt
34321	ggctctgcag	ggggcaacaa	aaacgcctcg	atttgtaggg	tctgccaat	tccatgttgt
34381	aaatccttcg	tgccctgatt	cacgttgcca	acacaccaac	aataaatgca	tagttgggaa
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34501	agagcctctc	catcatgcac	ataaatatgt	catacagaaa	tgcatcccat	aatgtgtagc
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34621	atatttttcc	tagatttaat	ccacaatcat	tttaactata	aattgggttaa	gccagtcaac
34681	tatagtttag	ggcatatgta	ttacatagat	aatttttaat	tgtaaaggta	ttgggaattg
34741	ttaaaaagtg	gcttagcctt	ctcactcagg	tagagcctaa	gttgcatatt	ttagaattaa
34801	tcattaacac	actaagcagg	cctgcaaaac	atccatgaat	atatatttcc	caaaatgaat
34861	aaatcaaaaa	cctgaaagct	gcaaaccctt	atgtgaagca	tgaaaaaatg	ccaatagcaa
34921	gaatttatat	actttatgct	tgccctgttt	atcttcacatg	agattaatag	agtgaaataa
34981	tattttataat	aatgggtgtaa	gaacatgctg	aatagtatac	tgtattaaag	ttacatgac
35041	ttgtcttgaa	ttttgtgttt	ggaatagtac	taagaaatat	gctgagggag	aaatttgagt
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35161	ggcactacat	gggacacaaa	gataaatgca	tacagtcttc	tcaatgaaat	tacaatcaat
35221	aMgggataat	aagacaagag	gtcaaataat	taacatacag	ggactagtag	gacctataga
35281	aaggaaagat	cctattat	gggaagatat	aaaaagctct	ttgggataag	gtggtatgaa
35341	aaggaaatga	agtaatgata	acttgaactg	aagatgaata	gaatagggtc	tactaaaatt
35401	tgtccaggcc	cagcctaaca	tgctaggtta	cccgtggcta	cattctgtta	tttctgctgc
35461	ttaatgagta	catgacaata	tgttctggtc	attataggaa	ttcttaaaac	aaggagtcac
35521	tctgccttag	caggtggcat	cttgaggctt	ttggattctg	tcttcaagtt	ttttaatgag
35581	caacaggcca	aacgtggatt	agtttgaagc	agcttctgtg	gactgtgtca	atctgtatgc
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36061	aataagtaaa	ttgtctcaag	tcatactaaa	gcacattact	aggatcagta	aaaaatatat
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36181	aaccggagcc	catcttggtta	gatgtttcaa	ctattgtcac	atcaaccttg	agaagagttc
36241	aaacactaag	aatgaatgag	ggaagaggta	gcggtgaaa	ggattactga	gctccacatt
36301	gactgtatgg	tcaaaagggc	attatggctc	tgaattttga	tgaggcacat	ttacccttta
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36421	tgRctggat	cattaccatc	agaataatca	gaatgaatgc	cacactgaat	atcaaaagaa
36481	ataaaactaa	aatcattata	aggacacaac	catgtgatat	ttgtccatct	gctctttaag
36541	caatgttatg	ttatttcttg	caacccttac	acaaaggcca	agaaattaca	caagtactag
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36721	ctgtgttatt	atagaaaaca	aatttatcct	tcatccacag	ggaaattcat	tacttaatgc
36781	caaataatta	cgttttgatg	gggttgagta	aattaaaaat	caattgagat	tcctttactg
36841	ctctatttct	atttctatat	tgctttgttaa	ttagcagaga	gcctggcaca	aatagggtatc
36901	tagtaaagca	gttgaaagaa	tcaatgcatg	aaaattttatt	tctacgtaca	tgaacatac
36961	tattttatttc	catatacata	gtattttatt	ctacatacat	ttctacataa	ataacattta
37021	tttctacatg	catgaaatat	ttctacataa	atgaaacaag	taatacatgt	tttacttgtt
37081	ttctgaattc	tttgggggaa	gtactaatac	attctagctc	aatctagcaa	caatttttat
37141	ggctttgaac	atccattttt	ctttataact	atttcctatg	aaatgcacac	atttctcatga
37201	ctttaaatta	ttaccaatcc	ttacaacttc	catctcttac	tgcatctttt	tttttttcca
37261	gactcatatc	ttggacttgt	aaatctaaac	ttgcaaaaaa	ccaaacacat	taaaaaattt
37321	agttcattta	ctctcagact	ggcatccatt	tttggtcttc	tgaatgctag	agttaaattg
37381	gatagtttca	gttctgttta	ctYtgtccct	ttagctaaaa	atcattccgc	cctactcatt
37441	cttgctttgc	aatggcttat	aatctgtata	atcatcatcc	tttacatgta	cttctttctc
37501	caattttctca	caatttagtc	catgtccctc	tcaaatgatg	gttatatcct	atcaccaccc
37561	tattcatgag	ccctaagga	gtgccttcct	gtccttactt	ggatcaaaag	aactcttttt

FIGURE 2-K

37621	catctatatac	aagcatcttt	tttcaacttga	tccacttttt	gtatatgttc	atttttccat
37681	attcaccaac	atgaccctgg	aatctctgga	ccagtggaa	ctcttttagta	tcttttaaaa
37741	tttttttatt	ttatttttta	ttttacatat	atatatagag	agaggcagag	actttctctg
37801	tcaccaggc	ttgagtacaa	tggcacaatc	atggctcacc	gcagcctcaa	cttctctggac
37861	tcaagtgatc	ctcccacctc	agcctcccaa	gtagctggga	ctacagggtg	gtaccactat
37921	gcccggtcaa	tttttgtagt	tttctagcag	agacagggtc	tccctatgtt	gcccagggtg
37981	gttctgaact	cccgggctca	agtgatcccc	cagcctcagc	ctcccaaact	gctgggatta
38041	cagggtgtgag	tcacgcgtcc	tggccctgtt	tagtatcttt	ataacatttt	ctgcttattc
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38221	cattttgatc	tgatcatttg	ctacaactcg	catttgactt	tctcatattt	attctatttc
38281	gtagtgtatt	agattagtag	attagattaa	taggctactc	agatacacat	attttctatg
38341	taaattctca	agtcttatca	atccaatgag	taaactcata	tattgactat	cttttatttt
38401	ctaaagtcta	aaaccatctc	agaattaatt	ttaatttcat	gcttcatatg	atgattttat
38461	gtacaaacat	agaaagtgtg	attctggaa	tctgaactaa	agcttgcccc	ccaccatgac
38521	aaacactgac	aatcagtagc	attttaaaag	gtatcgacaa	acaactgaca	tcagtaccat
38581	tttaaaagg	atcaatggta	aatgcctttc	attcttgagc	aaatgtgaca	ttgctttcgg
38641	catgaaaaga	cagatgaagt	tttaggagct	ttaaaaatgg	tctaagagaa	tagcagtcag
38701	caaatcattt	tttagtaaat	tgttttacaa	ggaaaagcct	tgttgatact	ttctgatttc
38761	aataaaaata	aaagtatact	tttttaagta	gtagacttac	ctttccattc	ttcaattgtg
38821	tgttctcttt	catccaactg	cttgtcatat	atctgagggtg	gagggtgccg	aataaaaaaca
38881	aaaaataatc	tttgtgtgat	aatgtaaaac	taactaaact	cttacaatgc	acgagaatac
38941	cttgccctca	tttatttcgg	tgatttcaac	cgtatataag	ttatgaggaa	attacagtag
39001	ttcagaagtt	aaaattttcc	tgtaaactta	tggaggattc	attcatattg	caatatattg
39061	tgctgaccca	atattgctgc	aatatttgca	gcagaacgca	aatcccagag	gctcactttc
39121	cgacatcttc	tgatttagaa	cccacgccta	agcaattaat	gactggtctt	ttaaaaaaca
39181	gacaaaacac	tgatttacaa	tgRccagaa	gctacttttc	cttcaYtcac	ttgctttata
39241	acagaacccat	gctaaaattc	ttctaggtca	ataagatttt	gttctatttt	tagaccttcc
39301	ctaaagaaaa	gtttatattt	ctcaacagac	catagtacta	gtcctcaata	taaaaaaaat
39361	tgagatcaaa	tcaacctttt	tatttttcat	gaaataccat	agaatgtctt	tatatattgc
39421	tgtgtgccct	atacttaaac	gatttttaag	tttttggttt	gtttgtttat	ttgttttaac
39481	ctgcagaagc	tgccatgact	gtagaggtag	gtcaccttga	atccctgaat	ggcccttggt
39541	tagtctcttc	tagcagaaat	gatgcaatag	ggccttcagt	ctgacttata	gagccagcat
39601	ttctcttccc	atgtggagtt	caaatgtgga	aaaggaggga	ttttcacaaa	cctgcgtgcc
39661	tactggaaag	tggaatctca	aataaattct	ctgacctctt	cttctgata	tttaggttat
39721	gggagatcta	ccatggcggc	tagggtagct	ccaattcagg	ccaagtata	tggaaaagaa
39781	aaaaaaaggc	tcttgaaaaa	ataaatcacc	atgaggtaga	gaaagaggag	gctgaggggc
39841	tacactggct	ggcaccggtt	taagcgcaaa	gaagagctat	caagtttttg	ctaccccgct
39901	caatactcca	aaagcaatag	tttttgtaa	aaactaaaag	agtcaactaa	taagagttag
39961	gcaacccctt	taggacacag	acctttcaaa	aatggctatt	atagtaagga	aagctctgga
40021	caagattttc	agagacagct	tctggcttct	gtgagagctt	tttggtcat	gaacagcacc
40081	ctcggtgtaa	agtgcacctt	ctctaattca	tgagaatctt	gtggtagctt	gaatcatgac
40141	agacacaaat	attcatccta	gccctggcat	gctggggcct	cacatcctgc	aaagtatctg
40201	gctatgaaaa	tagaagactt	tgccctgctg	tggtagaagta	acttagcata	atactgaagt
40261	attgagaaat	aactactcac	ggagccagac	attcttttag	cacgtttgac	tgatactggg
40321	gcagaaggct	gtaaaccctca	cctactgcaa	ttcagatgtg	gctggctgag	cagctctcag
40381	cagccgtcag	cactgacaac	taagcaaaat	gagactctca	caccacccca	gacaatagta
40441	agaacacaac	acattgaacg	tatataaggt	gacaggactg	ggatagtcag	gcactgctct
40501	caggacctga	ctgaggtaga	accttccacc	tctataaaag	actctcaaat	aatagaaaca
40561	ttctgactta	gtgagtgaat	gagtaaaatg	aagttatttt	tgaaaaaattg	tgaaccattt
40621	acctaaggaa	gctaccacaa	agccaaactc	tggttttgta	aagacgcttt	gccaagtggg
40681	aaattttccg	ctttgcctct	tcttgagcat	gtataatgct	gtgggttaggc	cgctatccaa
40741	gcgaccttgt	ccaggacccc	tgcaggacac	agtgtacata	agctctcaga	gccccagag
40801	ccctctgagc	tgttggcacc	tcttcttctt	tctaacaata	gatccagctc	atgatcctgc
40861	ctggctggct	tctccatgca	gtggattttt	ccattcaagt	tttaaaattg	aacatggctc
40921	aagagtacag	ttcctgccaa	agttcataaa	tgccattttc	tttttgcaac	aaagctattt
40981	tcaggagggtt	tccttaggag	cctcagtgtg	cagctgttgc	tgatatataa	agcacaaggt
41041	acatagacac	taatcacaaa	caaactacaa	gagagaatgc	aaagtgtctg	gttcaagatt
41101	tttcttttca	acaaaccaag	agggctgctt	taaaccactt	gatttaYagt	atttgttcga
41161	cggcctctgc	aaatttacta	catattcaga	tttttgattg	tttgtttttt	gaagaggaaa
41221	tgcgaatgtc	acctccagtg	aaagggcaca	ttcacatata	gatgtcttct	atgtgacaat
41281	ataaaagaat	aattgaccaa	taatccagag	agagcaatgt	tacaacacac	acgtataagt
41341	gctgggcagc	aatcatcagg	atgagatagt	tcaaaacatt	ccctgcctcc	ttccgctaag

FIGURE 2-L

41401	gagaagtttg	tatttgagca	ctcgttgtg	ctctttccct	atcttattta	ataggaatta
41461	ttcttttgc	aagtgacaat	ctaaataaaa	aataaatgag	gagtggggat	aaagaaaaat
41521	gccccagagg	tgtctgttga	gagagtattt	taggagagtt	tagcagataa	gagtaattga
41581	gatgtgagaa	atgaaggata	agaggacatt	aaagatagta	tatgaacagt	tatcagggcc
41641	tgtgactttc	accctttgaa	tattttttca	aaagactgta	aacttctttc	atattatttt
41701	ggaagatttg	aacttccttg	gttgaattaa	ttgcagaaat	tcaaacacaa	atttatatgg
41761	attgcataaa	caataactta	aaatggatta	gacacatttt	tattgatggt	taatttcata
41821	tgaatttata	ttggtggtca	attatatgaa	ttttatactg	atgaaacatg	tccaaattgt
41881	ttcaattaaa	tgaggaaaaa	aacacaaaca	agtacatggt	cactgtgaat	taataaaatc
41941	tagaatttat	ttatttcttt	attaaatgta	ttcatttcagt	aaaggtcttg	ggcacctaac
42001	acatggcaga	ctatataaaa	aactgagatt	tcaaaattga	ataaggtgac	tgctgaccac
42061	aaggagtcca	caatttactg	gggttaagact	gatgcaaaac	agatcattag	tatacaacat
42121	gataaatgat	agaaacctgt	atatggtcta	agggaacagg	gtggagaagt	cctaacaaa
42181	cctagatttg	atttccttga	gtaaagtgat	gcttatttcag	tgagcgaaa	atgtgtggga
42241	ggttgtcaag	ataaaaaga	gaggaaaaaa	gtgactccat	gccaaagagc	cattataaag
42301	caagttacag	tatgtagaaa	acagataagg	ggtggtggtg	gtggtggtg	tagtggtagt
42361	ggtggtgcat	gtgtttctct	gtgtgtacat	gcatgccaa	aaaacaagaa	ggaattttgt
42421	cacagtaaaa	taaaacatgt	cgtcagaagt	gacaagatat	aagagctgta	cttagagaag
42481	cagaaggggtc	agacaaaagg	tggatcaagg	atgatccagg	gggccaggcg	ctgtggctca
42541	tgccgtgaat	cccagaactc	tggggggcgg	aggtgggtgg	attatttgaa	gtcaggagtt
42601	caagaccagc	ctggccaaca	tggtgaaacc	ccacctctac	taaaaataca	aaaattagcc
42661	gggcatggtg	gcaggcacct	gtaatcccag	ctactcgga	ggctgaggca	gggaatcgc
42721	ttgaaccggg	gaggtggagg	ttgcagtga	cccagattgt	gccactgcac	tccagctgg
42781	gtgatagagt	gagactctgt	ctcaaaaaaa	aaaaaaaaaa	aaaaaaaaatg	atccagggtta
42841	tcatgatacg	gaagaaagaa	gaagagaaac	actgaggaa	tgtaagagaa	cggaacagtg
42901	aaattttacag	ctggattgaa	gaaagatgta	actgtaagca	gagagaagag	gtagggagcc
42961	attgcacgat	ctataaaaaa	atattgaaag	ttctgactgc	ggttaaaaaa	aaaaaaagat
43021	gaggtggaac	gaaagacaca	gattcaggaa	taattaataa	atgttaataa	ataaacttgg
43081	tagaagtttg	tttttgattg	aacatatgtg	atgggagaga	agaatatgag	tcccaatttt
43141	ctaagctgag	tacctgggaa	gatgatcgtg	ttggtgaagc	catctaaaga	aatagagaat
43201	ggaaaagggg	aaatgagatt	ggtagagggt	agcctaagtg	ttatgtgaga	agagatgatg
43261	gattgaaagt	taagtatata	atctgaagtt	cagaggaatg	ctgtttgcta	gagatgtgta
43321	tagatttgag	actaacagca	agtgatgttt	gttgaaacta	tgacagtgga	tgaggtcacc
43381	caggaagat	atgtgggtat	agagagtaaa	tggccaaatt	aaaatttaaa	gattggacag
43441	aggaaggtaa	gttcactaag	gcaaaaagaga	atagctaaag	aaatacatga	aaaatgagaa
43501	tattgcaatg	ttatagaagt	caagcaagta	gaatttcaca	aaaagctagt	aattggccat
43561	ttcttgcaaa	tgaagcacat	gaggattttg	actcgcaggg	caccagaaag	gcatgataga
43621	aagcatgcct	ctgaaccctt	tgaagccttt	ccaaacttta	aattgtctac	acccccagaa
43681	agatccagat	agatcttcgg	tggaggacgt	taatatgaga	catcacctaa	acaattgaat
43741	aaaatgtaga	aaaagatcct	caacaccaa	ataattaaaa	ggaaagaaac	catagaacaa
43801	ttgtgacact	agaaaaacta	taatgatctc	agatctactc	tctcaagtct	ctgagaactt
43861	gataaaaaaa	aaaacactgt	tctctatcta	gttaaaggaa	gtcacttttt	ttctgagaaa
43921	ccaccatattg	ttaagctgtc	tttatataga	ccttaataat	cctcacagtc	aggaaactaa
43981	gattcaagga	aatttttaaa	aatatatcat	gaagtcatat	agctaattaa	tgatgaaact
44041	tttattaaaa	cccaatttaa	agagtaatcc	agagcaagtg	tcaatactgt	tgaatctaaa
44101	ataaaagacta	ataaaacaat	attttaaagt	aacatctttg	taaaacaaga	aatagaaaca
44161	taagccaata	gggtgaccat	atttcccagt	ttgtacaaaa	tagttccatt	ttatgcttat
44221	tgtccttgta	attattagta	gcacttacgc	ccttcgctcc	tttaagtgtt	gtggtttgga
44281	gaataaata	gtggacactc	tacatagcaa	tggtgtgaca	tggcatgtta	gagatctaag
44341	gtatacagta	atttgaggac	aaagaaaaca	actgaattgc	aatgtttttc	taccactgag
44401	gtttcaacaa	ttgcagctgt	accttttctc	tctctgagac	agcacgtcag	catttccttc
44461	cattttctct	atttttagaa	acgtaaaaat	cagctataaa	atatggctgt	tggcagacag
44521	tacagacaag	agtagaatc	tgcataataa	atctatagtt	gaaaaaatag	gattctgtgg
44581	gcattctatg	gagttccttg	tggtggccat	gactttctac	taaagcgatc	tctttaacaa
44641	gtacctgttc	aatttccta	tgagctttcg	aaggtaaaa	ttgctctttc	tgccgtgta
44701	cccaggcctt	tgggaggccg	aggtggcgag	atcacgaggt	caggagatcg	agaccatcct
44761	ggctaacaca	gtgaaacccc	atctctacta	aaagtataaa	aaattagccg	ggcattgtgg
44821	caggtgcctg	tggtcccagc	tactcgggag	gctgaggcag	gagaatggca	ttaacttggg
44881	aggtggagct	tgcaagtgagc	caagatcaca	ccactgcatt	ccagcctggg	tgactgagcg
44941	agactccgtc	taaaaaaaaa	aaaaagttgc	cctttcttgt	gacttcattc	attttatccc
45001	atataataaa	gtaaatattca	ttgagtaaaa	tgtgtgaatt	tattttttac	tgaatctttg
45061	agataatttt	caaagataca	tgggaagtat	ctttttcaac	agcattatag	gatattagtg
45121	gtaaaagaaa	gttcagagat	tatctaagtc	cacccttatt	caattttcaa	atgagaatat

FIGURE 2-M

45181	agaaactgag	aaagcataag	tgatttgccc	acaatcacag	agttaattag	tgacagatga
45241	atacatttat	ggtctcttat	gggaaaagac	agaataatgg	aattcttatg	gttgaagaaa
45301	cattaaactg	gataatttga	cacctgtaaa	agatattcat	taaagacaaa	tttgtgctcg
45361	ccacacactg	atttctgttc	caattttctg	tcaagtctaca	cttacagcta	gagctggcaa
45421	ctatcataca	agcagtcac	acttacattc	ttaaacactt	ttttgtcaaa	gtatcatgga
45481	catcaaagac	ctctaaacac	atgaatctct	aaagagataa	aaaccagata	tgagaaatct
45541	aagttgtaca	aagttgttcc	tttgattctt	ctttgagccc	tgaactgaca	ttttcccta
45601	acacttatgc	tctgaacctat	atgacagctc	atcaagttgt	tggtgtttgt	ctgctttgtc
45661	ctaattaagg	atctccctgt	gttctgctgc	cttgtttaaa	atgtcaacaa	aagctttaaa
45721	tagcactgta	tctcagtggt	tgacactcatt	attaattcaa	catctggatc	aaagtaaagt
45781	atattatata	ttactgaaat	atgctttggt	ttttcttatt	aagcttggca	gttagatgat
45841	tgtaaaaaga	tgcatgcttt	attaaaacgc	tttaagcaag	aagggatatat	cttagtacaa
45901	aattagatag	aacaggaaat	ccattaagga	aataatacaac	attttgattt	tatatttcct
45961	tgaatctcta	cacatagagt	tttctaattt	tttttttctt	aatttgatga	ctaggacttg
46021	ttaaattttc	accaattaat	tagaaaaata	aaatttttgt	aaaatgactc	tgatgaagtc
46081	caaaatgata	tgacttttta	ttgttttatt	tggttaattg	cacagtttag	catgtccaat
46141	ttttctctaa	agccttatat	tctctgtggc	accaaagca	gttcattacc	ccaaaatgga
46201	gctcagtatt	tgtttcacaa	atagctctac	caacaatcgc	caaaaataatg	aaaatattat
46261	tgcaatatgc	acaattatca	aaagaattga	ttagatataa	ttaatctcta	tgatttctca
46321	gtaatgtgac	cttactatgc	attaagcaat	gacctgggtt	ccaattacca	aaaacttcac
46381	tgcttctga	atgtagatat	atggcatttt	gtgatgtact	atccgttgat	tattaaaaat
46441	tgcttcagca	agtttcagga	actatgtctg	tgttctcaaa	cagaaattaa	ataatatact
46501	actacagatt	aaataaatgc	cttttaaaag	tatgatttga	ggagatgtca	gcaagatgat
46561	aaaataaggc	tctccagtcg	tccctctctc	acagaaacat	caatttgaac	aactatccgc
46621	acacaaaaat	accttcacaa	aagtgaagga	aaccaggtga	gagatttcag	cacctgggta
46681	tagcacggaa	acaagaaaag	atgcactgga	gagagaggaa	ggacagtttc	acattacctg
46741	cttcactttt	cccccaatta	ccagacagca	cagcatggag	acagataccc	tccacatgat
46801	ggtagggaga	ggaagtgagc	atcagacttt	gccttagacc	ccaacactgg	gcctgccaca
46861	gaaaaaccca	gcaccaaaga	gaccttcaca	gccctagaca	ccaggctagt	acttgtggac
46921	tgagcttcca	cacctttccc	agcactgatc	aggggcttat	agccttagac	tcaagggtcta
46981	tacagcagac	ttggtctctg	ggccactcta	ctgccaggtc	taccttagca	gcccaagctc
47041	tggaacttct	ccagcactgg	gctgtcccct	ataatcctgg	acatcagatc	cacctccagta
47101	actgactatt	tcctgcagac	tcagactcaa	agccaatccc	agagccaagt	agccccctgt
47161	ggaccaaaag	ataaggccag	cctctacaga	tgtaggcaaa	tatttgcaga	cataggcgctc
47221	aggtctgccc	ttgtgtaccc	aggtttcagg	cctatccatg	gggactcaat	caataggctc
47281	acacttgtgg	atctagactt	aggcccaacc	ctatagaccc	acccacctgc	tgaccagggc
47341	acccagacac	caagcccagc	caacctacct	gaggactcca	acagcaggcc	taccttaga
47401	cgacaccaaa	tgcatgcac	aggttctatg	gaaaggctga	ctgataaaga	gttttcccag
47461	acaaagccag	tctgcaaaga	ctggaataag	cccttacttc	ttcagatgca	cagacatcag
47521	tgtaaggaaa	taagaaacat	gaaaagctga	ggtgacataa	accaccaaaa	aaatacaaaa
47581	atctcccagt	ggctgagtca	agagaagtgg	aaatatataa	actaagagac	aaaaaagtca
47641	aaataattgt	tttaagggaag	ctcaacaaac	ttcaaaaaaa	ttacagggaa	acaatttcat
47701	aaaatcaaga	aaacaataaa	taaaacaaat	ttaatagaga	gattgaaatt	atttttcaaa
47761	gacaaaagaga	aatcctattg	ccgaatataa	tgaatgaatg	aaaaatgcaa	tagtaggatt
47821	gatgaaggag	aagaaagaat	ttgtagcctt	gaagacaagt	tatttaaaaa	tatatgggtca
47881	gaagagaaaa	aatgaaaaaca	aatagagaaa	gtttatgtga	tttatgggag	agcatcaaaa
47941	gagcacattt	tttagttcaa	gaagagaaag	acaaaggggt	aggaagtatg	tttaaggaaa
48001	taataacaga	aatgttttca	tatcttggga	aagacatatt	cacgtagagg	aaagttaaag
48061	ttctctaata	agattcaatt	caaacaagat	tacaccaaga	tatatcataa	tgaaatcaac
48121	aaaaatcaaa	gacaaaagaaa	ggatcctaaa	ggaccaaga	gaaaagaagc	aaataacatt
48181	taagggaatg	ttcctatcaa	gctagcagat	ttttcggcag	aaaccttaca	ggcaggaggt
48241	gtatgggaca	acataatcaa	aatgttaaaa	taaaataaaa	aaactatcaa	ttaggaatac
48301	tgtaccccac	aaagttgtcc	ttcagaaaag	gagagataaa	gtctttccac	aacaaaagtt
48361	gagggagttc	accaccagac	ctgtctcaca	agaagatgct	taagagagtt	cttcaggcta
48421	aaagaaaagc	attctaatta	gtgacacaaa	aacatgtgaa	agtgtaaaac	tcacttaca
48481	agataagtac	acagtcaaac	tcacaacacc	ctaatactgt	aatgggtgta	tgtaattcac
48541	ctatatcttt	accatgaagg	tgaaaagaaa	aaaactacta	agaataacaa	tagctacaat
48601	aatgtgttaa	ggcatctaca	accacctgat	cttcgacaaa	cctgacaaaa	acaagcaatg
48661	gggaaaagat	tccttattta	ataaatgatg	ctgggaaaac	tgcttagcca	tatgcagaaa
48721	actgaaaacca	gactcgttcc	ttacacctta	tacaaaaaatt	aactcaagat	cgattaaaga
48781	cttaaatgta	aaacccaaaa	ccataaaaaac	cctagaagaa	aacctaggca	ataccattca
48841	ggacataggc	atggggcaag	acctcattac	taaaacacca	aaagcaattg	caacaaaaga
48901	aaaattgaca	attgggatct	aattaaacta	aagagcttct	gcacagcaaa	agaaactatc

FIGURE 2-N

48961	atcagactga	acaggcaacc	tacagaaagg	gagaaaattt	ttgcaatcta	ctcatttgac
49021	aaaggtctaa	tatccagaat	ctaccaaat	tacaagaaaa	aaacaaacaa	ccccatcaaa
49081	aagtgggcga	aggacatgaa	cagacacttc	tcaaaagaag	acattttatgt	ggccaacaaa
49141	catgtgaaaa	aaagctcatc	atcactggtc	attggagaag	tgcaaatcaa	aaccacagtg
49201	agataccatc	tcatgccagt	tacaatggtg	attattaaaa	aggaaacac	agatgctggc
49261	gaggctgtgg	agaaacagga	acgcttttac	actgttgctg	ggagtgtaaa	ttagttcagc
49321	aattgtggaa	gacaatgtag	tgattcctca	aagatctaga	accagaaata	ccatttgacc
49381	cggcaatccc	attactgggt	atatatccga	aggattctaa	attattctgt	tctaaagaca
49441	catgcacaca	tatgtttatt	gcagcactat	atacaatagc	aaatacttgg	aaccaaccca
49501	aatgcccatc	aatgatagac	tggataaaga	aaatgtggca	catatacacc	ttggaatact
49561	atgcagcaat	aaaaaagaat	gagttcatgt	cctttgcagg	gatatggatg	aagctagaag
49621	ccattcatcct	cagcaaaacta	acaactagca	caggaaacaaa	aaacaaacaa	ctgcgtgttc
49681	tcactcataa	gtgagagttg	aacaatgaga	acacatggac	acagggagga	gaacatcaca
49741	caccaggacc	tgtcagaggg	ttgggggcaa	gggaagggag	agcattagga	ccatacctaa
49801	tgcatgctgg	gcttaaaacc	tagaagctgg	gttgataggt	gcagcaaacc	aagctggcac
49861	atattttacct	atgtaacaaa	cctgcacgtt	ctgcacatgt	atcccagaa	ttaaagttaa
49921	atttttaaaa	aaagtgttaa	gggatacaca	atataaaaa	atgttaattg	tgacatcaaa
49981	aattttaaat	gtgggaggaa	tggtggagta	aaagtatagt	tttttaaaaa	tgcaagcaaa
50041	aagttgttat	cagcttaaag	tagcttggtt	taactataag	atgtttttgt	aattctcatg
50101	gtaaccacaa	agttaaaatt	tatggtagag	acaaaaaaga	tacaaagttag	ggaatcaaa
50161	cataccacca	gagaaaatta	ttttatcaga	aaaaaaagac	aaaaaaagag	gggaagaaat
50221	gaacaaagaa	cctacaaaac	aaccagaaaa	caatgagcta	aatggcagta	ttaagtcctt
50281	acctattaat	aattaccttg	aatgcaaat	gattaaattt	tccagtcacc	ttggatgtga
50341	agggggcctga	gggaatagaa	agaaaagact	ccaaggtatc	tcattatcca	gatgaaaacc
50401	tggatagaaa	gtagtcccat	gaattggaag	gaggaagcat	agatttggtg	tRgagaggag
50461	atatggccag	tttaatatatt	aatatgttga	ttttgcaatg	ccaatttcaa	ttccagtgac
50521	tgttagattt	atacatctgg	aactcaggcc	agctctatgg	gacgatgtgt	agaattgagc
50581	catttatgat	aatttaaaatt	aaggctgtgg	tggaagataa	gactcccaga	gagaaaagaa
50641	ataagggcta	taaagaaaaa	atttctgaga	tgcaaatc	taagggaaga	gagaacaacc
50701	cacattgagc	aatggaggct	gcaggagaac	aggtgtgctg	ccaccacaga	aattaacatg
50761	caggggtgca	gaaaggaagg	tggtgtcagc	ttattcaaat	gggcaaatc	atgagatacc
50821	catttttttg	gacttggcac	ctaagaggcc	actggtgaat	ttagagaaag	ctagtgcaat
50881	gttttaaaa	tgaactggag	taattgtgag	taacaagga	ctaattgttt	atagagactt
50941	ggctataaa	ctataagtca	tacttccatt	gctaaggta	gaagtgtagt	taaaaataaa
51001	ggtttgcttt	gattctttgt	tctttgaaat	gaaagagact	agaacatgtt	tatttgaag
51061	aagttaattgc	cactggaaac	tgaaacatag	gacacacaca	gagaaggaag	agaccacat
51121	gcagaaaaca	aaggctataa	ataaaagagt	acagtgtcct	gggttttcct	ggatcttggt
51181	taaatgactc	catcacagca	ttatcatggt	ttcttctcaa	catcttcac	attctactac
51241	cattctgtaga	aagtggattt	tcatatatta	tctcatttag	tctttgtgac	aaacctccta
51301	ttccaagtat	gcaactgagg	cacataaaga	tttaaaaatc	tatgagttag	tagcagaggc
51361	catattttaa	cccaaatcta	actgaataca	atgtctgtgt	tctttgcatt	tttccacccc
51421	aggcttatag	ttcctactaa	ttcaacctat	tgaaatatat	tttaacgttt	tattaggcaa
51481	acaaagcaac	agagaacagc	agggaaaaag	gcgactttat	ctctagctga	cggggctctt
51541	gaaatgctgt	taatcaggat	tctagatata	aatttccacg	tccactcaga	ggggcgagaa
51601	tgtgcaatat	attgtgatgc	tgccaccttg	tggaagaaa	aatgaaaac	attaagaggt
51661	gctttgtgtg	catattttatc	attttcaatt	aaattgctct	agtttatggt	tcagctacgg
51721	ctgcacattg	aaatcatctg	ggagttttaa	aaatactgct	gcctagatcc	cacctcagag
51781	attctgattt	aattgttctg	gggtgaggcc	ttggtgtcag	gatattttta	aacttcccaa
51841	atgattctaa	catgcagcaa	agattaagac	ctctgctcta	accacttata	cagtagagaa
51901	gcaagtcttg	tcatttgcct	agttatgttt	catttgtata	gacgcaaaag	aaaacattct
51961	agagaaagta	ggtgattttc	tctcaatctt	taatggcatc	tagttcttgg	tagaatacaa
52021	tgatttctgg	acagatatat	catatactat	gattttaaag	aacaggacaa	agaaatttgt
52081	gaattgtaat	caaagtggac	acaagatttg	tgtctcataa	tcaaatgcag	tccgtagact
52141	aaagttagca	gggagaatct	ctgagcctca	taatgctgca	caggttttct	gaaaggaaca
52201	atggaaagag	cactgaagca	ccattgactc	tggcactagt	aagatgagtg	accttgagca
52261	agtcactcag	tttgcaatga	aagattttca	tctactgctt	tattcaagag	aaactagttc
52321	caaattgttca	acaaatatca	taccaggtaa	ttcaacaaaa	ctttcttaag	tacttgcaat
52381	gcgaaaagca	tggaaattata	atgtgttata	aatggaaagc	actaatgttg	cttagagaca
52441	tcatagcatt	aggtgaccag	aggaaccttt	gaaagctagt	aatgcaaatt	ttaattatga
52501	tctgaactga	gtgtaattag	aaagcttaatt	tacataatgc	tccagtgtgt	tggcaagaaa
52561	gttgaaattca	gttttctcta	tttttctattc	tggtctgtag	ttttctcaga	tttatttatt
52621	agctctacac	catcaaaaag	tgtaatcatg	tcttgaaaa	gaaatttctc	tttctgtctc
52681	cttggaat	aaaattttct	atggttcttt	aactgaaaa	tttcagtaat	tgcaccacca

FIGURE 2-O

52741	atcaccacagt	gccttgggtca	ggaatctttc	tttcttcatt	cgttcattta	acacatatatt
52801	attaaccctc	taccatatga	tattactcat	ctttgaattc	cacctccctt	aaattccaaa
52861	tttaattatt	tacaattcat	gtcaattatt	agcttctaaa	catctcttga	atattctgYc
52921	catgtctaca	gtgatttaga	ttactacaga	tctatccctc	tgccttctag	ctcccttttc
52981	tcaactccag	tcccacactg	cagacagtgg	ccctttgaaa	cttcaaatct	gctaattgcta
53041	ttgccccact	tcttagtgaa	tggcttccct	tcaccttagg	atagcatgca	tggtagatga
53101	caatgcttgg	gaactccttc	cttatctggt	ccctgcttac	cagcccaaaa	taattttctca
53161	cccttctcca	ttaagtcact	cagaaagctt	aaagctttgc	aattctctcc	accctctctt
53221	gaccttggga	tttttgcata	taccctttct	tctgcttgcc	tttcttcact	tggataattt
53281	cttttttagc	ccttcatggt	cctgtttgaa	aattaatcac	tccaagcagc	cttctgtaac
53341	ccacattact	gggttatttt	tatgtgtttc	caatgtacaa	taagcttaaa	atttggataa
53401	cgtatcatca	acatttactt	atttatcttc	tcactagacc	atgggacaaa	gaattgagaa
53461	taaaaagacct	aggaatccaa	cttacaaggg	atgtgaagga	cctcttcaag	gagaactaca
53521	aacctactgt	ctctatttgt	ctgttattcg	tgtataagaa	tgcttgtgat	ttttgtacat
53581	tgattttgta	tcctgagact	ttgtcgaagt	tgcttatcag	cttaaggaga	ttttggactg
53641	agatgagggg	gttttctaaa	tatgcataca	tgtcatctgc	aaacagggag	aatttgcaat
53701	cctgtcttcc	tatttgaata	cgctttattt	ctttctcttg	cctgactgcc	ctggccagaa
53761	cttccaatac	tatgttgaat	aggagtgggtg	agagagggca	tccttgtctt	gtgctgggtt
53821	tcaaagggaa	tgtttccagc	ttctgcccac	tcagtatgat	atttgctatg	ggtttgtcat
53881	aaatagctgt	tattattttg	agattttggg	ctgagacaat	ggggttttct	agatatgaaa
53941	ttgaaaatct	agaagaaatg	gaagcacagt	atatagtaca	tagtagatat	ccaacaagta
54001	tgaaccattg	atgaagaaca	attatttgca	ttcaaaaatc	tacgatatat	taactcggaa
54061	aaattggtca	ggtaaagaga	tgaataaat	tatgacatgt	ctgacattac	tcaataaatt
54121	tttaaaaagt	agattccagc	ttttgatata	cacatattag	ccacacaatc	atgggcaatg
54181	tgcttaacat	ccattaacat	cctgagcttt	agtgtcttca	attctaaaca	cagatacatt
54241	cattcagcaa	atattgatta	tatgactact	aagggccaga	cagtgttcta	ggtagtggg
54301	atacagcagt	gccccaaa	gtcactgtct	ctctttttac	gcactcttaa	ttctagttag
54361	tgagacagat	aataaaaaga	gatataaat	gtcaaacagt	gacacataga	gaaaaaagat
54421	taagaggcta	gagtgtacaa	gagtactatt	ctattttttc	tttttagttt	ttttcttttt
54481	gtttttgttt	tactttttta	actattatta	gtattatttt	tacaaacact	tgtaccaagg
54541	gctgactttc	aatagatcac	agcaaggatc	ccctctgcta	catatgaaac	cctgacccag
54601	aagcagggtca	tctacttatg	tttttagtgc	aggttacaca	cgaatgtgtg	ttacatgacg
54661	ggcaaggggg	cgccgaaga	gtactatttt	agaaaggatg	gtcataaaa	gcttctttga
54721	gaaggtaaca	tttgagcaga	gatttgaatg	aagtaaaagg	gggagcaatg	tgaatatctg
54781	gaggagaagt	gtcccaggca	gaaggaaata	caatgcaaag	accctaagg	gggagcttgc
54841	ttggtgtggt	aagggaaccg	caaggatgcc	atatactggt	gcagagtggg	aaagggttgc
54901	ctaaaaggta	tatcagaaaa	gtaggcagga	gccagactaa	gtagagccat	gttttccaaa
54961	ctgcagtcac	gaaaacaaat	tggtgtcatc	actagcacct	tttagtgtaa	ctaagaagag
55021	taaaatgaga	tagaaaaat	cagtgtatgg	tttttctttt	gtgtgtgtgt	acgtgtgtgt
55081	gtgcacgcac	gtgcacttgt	acacgcactg	tgggttgcaa	tgtaaaaaac	ccttcttact
55141	atgggttatg	ataaaaattg	aaacaacact	gtggtagggc	cttgcaagcc	atgataagta
55201	ctttgagttt	tgttataaat	atgataagaa	gccattggaa	gatgggaagg	tgttagctga
55261	ggaattatgt	gaatgtaacg	tgttttacat	tttaaaagga	aaattctagg	cattctgcag
55321	aatggaccac	aagggacaag	agtgtgtctg	agagataagt	cccagaatat	tacatgggtc
55381	agggtagaaa	tgatgtttgc	atagatgaaa	ggatgagaag	tgatctgagt	caaggatat
55441	ttagaaaagta	agttcagtta	agagttgttg	aggatagtca	tcattttcta	gagtttttat
55501	gaggcttaaa	taagattgga	tatcagaaag	ggttttataa	acactagaga	agtgtctcag
55561	agagtacagc	tgagttcaat	tcaaagggca	tttactgacc	atacactatg	cacctgccat
55621	tactctcact	gttttctctg	cactcggtag	ataaaactga	atttctgctc	ccaagggaact
55681	ttacagcagt	agagttgtgg	aagatagaca	taaaaatgaa	tcactgcagc	ataatgcaca
55741	atatgataat	ggcatatgga	aggttctaaa	gaaaatgagt	taacttaaaa	ttctgagaag
55801	cagtagcttt	tgttgcaagc	ctttcttttc	ataggtaaaa	gatcacatta	gccccaagga
55861	tattctgtag	gacaaatatg	agctaaaaat	gaactagaaa	atagctctag	gtgaaaaaca
55921	catcgaacac	agatattgct	gagttagtct	attaaagcca	catgtcattt	gcacttttgc
55981	cctacagtca	caaaacaaaa	gcaaatgaac	aagggaagaa	ggatcttcag	ccctcctaca
56041	taagtaacat	gaatcaataa	ggagtcatcc	tggagaccac	agaaaaccac	actcttcag
56101	ttagcatcaa	tgaatagccc	caggatacaa	atccacagtg	aatgaagaaa	catagctaca
56161	gaattagaaa	cattattaag	gaaaattgat	ttgagtatac	ttcactaatg	ttagagggat
56221	aatattatat	tttaggttga	aatgtaataa	tttttttaat	tccaaagtgt	ctattaattt
56281	taaaaatatac	atactttttg	ttacaaaatat	ttatttttcc	ccttcatacc	actaatctct
56341	gtgaaaaagt	ttagaatgtg	acataaagggt	tctaggttaa	tgaagtcttt	caatcaagca
56401	taaagacttc	tgctaatacta	gtaaaaaccg	ccccttctac	ctacatggat	tcaatatatt
56461	tgttgcatta	tataagaaag	catttgtgta	ccacattttac	atatgagatg	tttatcagaa

FIGURE 2-P

56521	agaaagtggg	gctctgagga	gagggagatg	gggaacagaa	tcacttgaga	gtgaggattt
56581	atttccaatt	aattaacatg	cccacaagaa	tctgccatac	cccacatgaa	gaatcattgc
56641	tttaatatag	attgatgagt	tgataacggt	aatgagttga	tgactgtctc	tcagggtatgt
56701	tggggaacaa	aaaagtttga	gaaacaaata	cagtcataaa	gaactatatt	ctaataataa
56761	ggcgttacca	ttgctcctac	tttttaattgt	attatataca	ttattatata	atacttttta
56821	atgtatttaa	taaataatc	tcatagtgga	ttttcttaaa	acagagcttg	ccttttcatt
56881	aagtaattac	tccaaggagt	aattttaaaa	gaaaataagt	ctaactgagc	ttttgtgta
56941	acatgatagg	aactgataac	atttccattt	ttcttatgtc	acatagacta	aaactgttca
57001	gtttaaaaata	gttcaattac	ctccataagc	tttaagaaaa	ccttctttaa	taacatccta
57061	tgttttcaaa	gttaattggg	tactttcaca	tttttttcct	ttaaaacatt	attagacagg
57121	acatttcatg	ggtaaagatt	agtgatgcaa	ttataaccacc	atctctgaat	gtcattcttt
57181	cttctctccc	attgccattg	aagtccattt	tgctcatctt	tatttcaact	acttccatag
57241	cttctctaaat	catcttttcta	ctattttatc	acttcatcag	tcagaaagaa	tgatctacct
57301	aaaacacgaa	tcccattgtg	ttactccctg	attaaaatct	gttcccccaa	gcctgcagct
57361	tggggtaccct	ctgggaatga	cttaaaaggt	gtttccctgac	caggaccctg	cttacatttc
57421	cagctgcatt	tctcaccatt	cccttccctg	ctcacagtga	attaactcat	agttccccag
57481	gtgtgtcctg	gttcatcttc	tctcctggcc	attgagcagg	ctgcttccct	tgccctaccag
57541	attctactct	tccacctcca	tttccattgg	taactcttgc	ccatcccttt	ggtcccattt
57601	gaggcttttc	ttcctcctaa	aaacctccta	tgtctgctat	aggatgagtt	atgccttatt
57661	cctttgtgtt	tctatggcac	tagtatagtg	gttatagtat	cttacttact	tacatatata
57721	ctctactaca	aactactaaa	taacagaaac	tatgtctttt	tatcattaga	attagtcaat
57781	cttcaatggc	agcgtacact	tgaagcttaa	caaaagttta	agtgaatgaa	tgtggtggac
57841	ctgtccaagg	tatgatgaga	ctttgagtc	atgtccctcta	attgttgacc	cacagtggtt
57901	tccactgtgc	tctactgtct	cccagtgcga	tgaccttggt	ctccacactc	gttaactctt
57961	ggtcctcctc	ccattgtctg	tctacagtcc	tttgctttgg	gaaagctaga	ctaagtaagg
58021	caatatttta	aattaactaa	ttgcaagcca	agttttttgc	ctggatttga	gcttagcctt
58081	ccattcttgg	gggagctatt	cattacttaa	gaaaacctac	ctgtgactat	gcatgtaaga
58141	attctggcta	ggaataaaact	attgttcatg	attaaacagg	aatggtgcaa	gaggcatgag
58201	caggcctacc	tcagaaaaag	aagtggtaac	agattgctgt	actatgaaaa	cagcattctg
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58321	cacatacctt	aggtaagaaa	ttttcagaaa	aagtgttga	gggttagcta	atttatctct
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58561	caacctctg	agtctcatat	gaaacctgca	gcaagttatg	gaagtggctt	ttatcatctt
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58681	aagaccataa	acttttaata	gacttgtaaa	aagggaagtgt	aaccttttca	atattctgtc
58741	tcattctattc	taccttctcc	tcacatataa	cgaatgccct	agggcctaag	tcattggatct
58801	acacttggga	agaaaatggt	gagattcagc	cttttccctg	aatctgaagg	ttaccatgat
58861	ttagcaccca	ggaatagttt	ctgcctatcc	tttttctggt	tcttttgcag	ctctgcaact
58921	tccagacttg	tggtctatgt	agagttgtga	tgacattccg	acttcatgtc	tatagctttc
58981	atttagggat	ttttaaatgt	cagcataaac	atcctacagc	gtttaaaagt	gtcttccat
59041	caccacacat	attcattttc	agcatcatta	atgattacac	tttctgatta	ttttcctttc
59101	tctgctagac	tgtcaaaact	cttagtttac	ttcctaatat	tgatagcata	accagctcta
59161	agcatgactt	ctcaaacaag	atgtttgggt	aattttctgt	gtgtttttgt	tggtgttcat
59221	ttgatcgtct	caactttttg	ttgcaatgca	caacataacc	accttcttag	atcatggaca
59281	aagaaacaaa	caaaaatctt	tggaagacaa	catggcagag	gaaaataaat	atcgcaaagg
59341	aagtgaagtgc	ttccgaaaaa	caaagtggaa	acaaagtatg	aggaaccctc	gaaagcctca
59401	cagcataaga	aaagaactag	ctacttgaag	agtagacagt	ggctattaat	ttctatttct
59461	tgaaaaaaaa	ataccatttt	aaaattgtca	gggaccacaa	gaaactgttt	ttataatgtt
59521	aatagttttt	ttaaatcaca	ataataaaaa	ttgaaagcat	aatattttac	atttatcagt
59581	tacttctgcc	tcaccacttt	tccttaaaaa	aagtaggact	tttacagatg	aaagagcatt
59641	ttaatacaaa	ttttaaaatt	acccgaagac	aataaattat	ttcctaaaaa	gtgtattaaa
59701	tctttttgtt	atgtctataa	atgataatct	agtctaagag	taacttatca	gcattttttg
59761	agtccctccc	ccccatccac	tgaaaacttt	ctttactaga	ctcatgattt	tcaaaaattt
59821	aagaattaaa	tttgagtgaa	aggaactccg	aagatctgaa	aaagcctgtg	aactggatgt
59881	ccagaaagat	gtaaatacat	aattattgat	agaaaatttt	gggatgtttt	tcaaaagccc
59941	ccagaagtcc	ctctaaggaa	cccttagggg	tcataggaaa	gctcagtgtc	gggtagtgag
60001	ctcctaagag	cagagaaaatg	ccctcctgtg	tgcatctcta	gatctggtag	agtttcagca
60061	ttcataaggg	tgctataaac	attttttacg	ttgaatcatg	gaggataagt	atgtatatac
60121	tcgggtgttg	ttgttgctgt	tgtttgagat	agagtcttcc	tctgtcacct	aggctggagt
60181	gctgtggtgc	aatcttgggt	cactgcaaac	tccRcctccc	aggtttaagc	cattctccca
60241	ccacagcctc	ccaagtagct	agtgtaaagg	accatgcctg	gctaattttt	gtatcttttag

FIGURE 2-Q

60301	tagagacggg	atttcgctat	gctgcccagg	ctgggtctcaa	actcctgagt	tcaagtgatc
60361	cacccgcctt	ggcctcccaa	agtgcctagga	ttacaggcct	gagccactgt	gcctggaggg
60421	tatttttttt	ttaaaaagaa	gaatgtagta	tttaaaagt	catcatgcaa	ttaaacctca
60481	ttgattttga	gagcaaagga	gcaaagaaaa	atctggcaaa	tagcaaacct	actacttaaa
60541	gtaaaccttt	aggaacttaa	gcagggtgc	tcaccaata	attctgctgg	gtacagaact
60601	gatgtggcct	ttaaattaca	gagtttatgt	ataataatta	acatccaggc	cttgacagaaa
60661	acaatattac	ctctgcagag	catatcattt	tctttattga	taaatgctct	ttactgaaaa
60721	cacaatgata	tgaggatggg	taggagtgcc	ttagagctct	ccttgaacat	gtatacacag
60781	tggttaagag	gagattcctt	gatgatggac	aaaaattcaa	gtctagtttg	attgttttag
60841	caacattaca	ggtaagcaaa	caaggcagga	atgcaaatta	ccaaaagagt	tatgcttctt
60901	agagattccc	caattttgta	gcctctactt	atctcgaggc	aaagctgtct	gacagagatt
60961	ctgtcttctg	acatactcct	attcttttct	cttttttatt	cttctcttta	gtataaaatt
61021	tggttaaattt	tagttaacag	aacatctcac	aagtccccac	cctgacttct	ttgcttattt
61081	catagaagga	atSctaaaaa	agaaaaatat	atattttttt	ctcccacagt	ttatggatta
61141	catcctatgc	agatgacacg	ttggataatc	tctttttttc	caggatgaaa	catatttaaga
61201	aaataaaaata	cactctcaca	aatgcccact	acctaagat	aaataggtag	acctaagcat
61261	atctcagata	tcacctagga	gagaagaaat	aaaaatcaagt	atttggaaga	acctgacaga
61321	ataccttagc	catacctcag	cctttcagag	agcaacaggc	atgaaatgtt	ttagaaaaat
61381	aattttctgtt	cccttcccc	ttttcataaa	gtattctctc	tcagtgatcc	attcaaaaga
61441	ttaatagcac	tcattggtcta	aagtgttcaa	gataaaacat	gaaaaacaaa	accaaagcat
61501	ggattctact	agacaacaaa	acatgtctct	cctaagaatg	aacaattcaa	ccattccagc
61561	ttttcacacc	tgagaatctt	ggattcagtg	gattctgaat	atcccaatga	attaaaatta
61621	agatgaacct	ttctcttcag	gaatagaact	tgctaaaatt	agagataaat	gagttacata
61681	ttttcagtg	aatacatatt	cctattataa	gtcatatagg	gagtgaggct	cctaaaagca
61741	gggtgctaac	tctatctaca	acaaaacatt	tgacaagctc	ccaccaacat	aatacatggc
61801	atcaaaacaa	tccgaaggca	attcaaacga	tagcttcacg	ttaagcagct	gaggcactgg
61861	gcaagcaaaa	tctaataga	ctatatattt	tctggaaggc	aattagtaaa	ctgctcatat
61921	tttgctgctg	aaagaataca	tcagcatgaa	cagatggaaa	tttagaactc	cacaaatgga
61981	attacagaca	ttgatttaac	tttccccaa	caaatgaaaa	ccacaaaata	cgaattgctc
62041	tttctataat	taagcacata	attagagtgc	atcagattca	tatccattgt	agctcatatt
62101	tcttctcct	catttctaaa	tttatatata	ttctgagtct	aacaaacct	cttagagttc
62161	aactccacac	tgaaaagagtc	ttctatgaca	gatagatgg	actaaactat	ttctcaatt
62221	aagcctgcca	tgggtcacac	tagcttttct	acagcatgac	acatgcgcca	ataataagaa
62281	atccaaagac	tcaaagaggt	agtccttggt	gcaggacaga	tggagagaac	agctgagggg
62341	ggaattcagc	cagtttatta	actccatgtg	agtagaacia	atcatattta	aaagaattca
62401	taaggacatc	tggtcgaaaa	acagaattta	aatgatggca	gttttagaat	ggagaaaaga
62461	gaatcatgat	gtctcacagt	acaattatcac	tgagttacct	ctttgttttt	ctactccag
62521	gaaacaaaag	gtcaccagtg	acctgcacac	agattataga	ccaaactgg	gRtggggact
62581	tgggaaatac	ttggactaat	tgtcaagttt	aaaatataca	agaaatacta	aaacatatta
62641	tggaaataaa	atcactaaca	tgctaaacat	tacagatact	tgaaattatt	cacattgtta
62701	attattcttt	tcctcattct	aggatacagt	agtttgtctt	acttgtgaaa	atatttaggg
62761	gaacttagat	aaaatttttg	tttgatattc	ctaaaatgct	agaaatgacc	tcagaaatct
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62881	gatgtgcttt	atcaagtata	atagtatgtt	tcatttataa	gctttccaag	ttgaaatcca
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63001	ctgtgcacac	atatatagca	tcaagaaata	aactagcagt	aaaatccaag	gtcatattca
63061	gtgtgatagg	cactgcagat	cttttctatt	aataaaaagc	aaagagggt	ttttctaccc
63121	atgaaatgtt	tttttaaaag	agctttctta	ttattttagt	gaaatgaagt	ttttccttct
63181	taataaaaaat	tttcaaattt	ctacaaaaaa	aaatccttaa	gtaactcaag	ttttgcagtt
63241	tatgcttatt	taaatatttg	ataggtat	tctgccactt	gagagttgct	attaaat
63301	atataataaa	cttcacttgc	aaactgactt	ccttctcaga	caaatcaaat	gacagcaaac
63361	aaaaataatg	cctattaact	atttttaagta	cattactgta	ccctgtgggg	aaaatcagga
63421	aacaaaaaact	gtagtttcag	aatttcagat	ggattagtta	ttcagaaatt	gtcttgagga
63481	catgccctaa	ccttttgata	tcactcatca	aaggaaaatg	tgactcacia	agactttaat
63541	cccctttcct	cccaacggga	gatacagctt	gtatagagag	ctgtttgcat	ttataactca
63601	Yttaaatcat	gtcttccaga	tacttcaggt	ttaactcaca	gtgctacact	caaactaac
63661	aatttaataa	aaggattata	aaatatttga	agcaaaacta	tgcatatttt	attcaatgg
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63781	atattcattg	tagctcatat	ttttccttat	cattcctaaa	ttcatatata	ctgagcttaa
63841	caaagtacat	tgcttctagt	tataatcaaa	tatatttata	agtctattct	tcaccatgtt
63901	gtttcaggaa	tttattatgg	attcaagaga	attcagtaaa	agacaactgg	tttagccaca
63961	gttaataaag	gtagaaacaa	tgcaaaacag	aactcattca	tggagtagat	ttaatagagc
64021	aagtaacaca	ggatattcat	aatcaaatga	tattagcttt	tacagtaaaa	atgtatttga

FIGURE 2-R

64081	gagaattaaa	agtcagtgat	aataaggaat	gagaataact	ccttcccatc	atcctcagtc
64141	atgtgaacta	tgctcaaagg	cttcagatgg	tcaataaatt	aatacatgaa	tctttaaaat
64201	ataaattaaa	tattttttatt	tagttgctat	agtaaataga	aagatttaat	ttatagttta
64261	aagattgtat	actttttatgt	ttagtatagc	aacttttagga	ttctttgggt	ttcagtaata
64321	atctatgcat	ttgggtaacc	aaacttagtc	agcttgggtca	ggactttttt	gtttatttat
64381	tttattttat	tttatttttat	tttattttatt	ttttttaaga	cgggtctcact	ctgtctccca
64441	ggctggagtg	cagtggtgcg	atctcggctc	actgcaactt	ctgtctcccg	gggtcaagcg
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64621	ccgccttgcc	atcccaaagt	gctgggatta	caggtgtgag	ccactgtgcc	cagcaggaca
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64741	cttcttaatt	atgattcaaa	gcagtttagt	cacatctggt	tgaagattag	cagattctca
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65581	gggggatgct	tacttcactt	tactagggga	ggtcccttgag	tacctcttct	aacatctaaa
65641	gtcttctcct	ctccagagga	attgtgctcc	gttccctggg	tacttctcct	ttacttaggg
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66781	tccttaaagt	agtgaactag	taaataataa	taattaagca	tttaagacct	tcttaatcac
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66961	aggttatact	ctccctggga	atctgaagat	catgttggtt	aattcaggat	ctgtatcggt
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67261	cctcatttcc	agcattctct	tctggaactt	tcatttggct	gccacacaga	aggccctatg
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67381	attccaaaat	gccagctgcc	caagcagctc	tacctgcctc	tctgccctga	ttccagaggt
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67621	aagtgttctc	tgactccata	tggttgtagt	aggcttcttc	atgatgattt	atttgagttt
67681	tgatgtactt	ggttttggct	gaactcacat	ctccctctcc	tgctccctct	ccctatgcc
67741	ttgcaaggaa	caagaactac	aaaatggagc	cttttgtaag	gccgttgcac	tcaggagctt
67801	tcttgaagtg	ctctgaaatt	tctggcagaa	ataaagctat	ttaaaaaaa	tagttacagc

FIGURE 2-S

67861	ttatgttctt	cttcttctgt	gccctgagaa	atagttaatc	aactcttctt	tagcttggag
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67981	tggatccctag	caggggtgcct	aaactcagta	atgtggtaag	agataaggca	acaaagcttc
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68101	aaatcccaaaa	aatctcttac	tgataatcaa	gatttgtgga	atctataatg	tgtctttatt
68161	ttgggtttaa	ctaatagacac	tagattttct	tctacctggc	aaagaagagg	taggtatata
68221	ttaaacaacaa	gaaaatgaaa	aaaatggacc	taaaatcatg	tgggaaatag	atcattgtca
68281	tcattgttca	aaaaagaaa	gttgtggaat	atttctgcaa	tttctctggc	agctagtctt
68341	tttaccacaga	cgcataatc	tttttcaaat	atcaaaagat	agtaaagcta	tgcattgtaa
68401	agtcataata	gtaatagtaa	ttataagtat	tataagggtg	agaataattt	acatgattct
68461	tactgactcc	caagcatttg	ctaagcactt	taacttttca	aaatctcaga	atgctatgct
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68581	agcaacttga	tcaaagcaaa	ttagtaatgg	gaagagcaga	aatttaaacc	taactcatct
68641	ttcatacctg	tgaagatgca	aataagtcaa	ccaattacat	ttgtgtgtaa	tatatgtgac
68701	ctcttgatga	atactgaacc	agagtttagg	catcttctat	ttgtttcatg	aaaaagcatt
68761	gacattatac	acgattttgt	tggttctctt	tgaaatcaca	ctttgttact	ctaaacatta
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68881	tacacagatg	gattactctt	gagcttgcca	tccaattttt	aaaattttct	aactcatgtg
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70261	gtgcaagtat	ttcccaagtg	tgggagactg	gaagagggtc	tatatatttg	ttgtaagaat
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70381	tttggttaaga	atcaaaataa	atgactaaaa	attaacttga	ggcaacatga	aatctcaaca
70441	tcattgtaaa	actaagagag	cagatcttaa	acaaaatgta	gtgcagtctt	cacacttggg
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70801	aatccaaaca	aatggatttg	aaggatttat	gtaaaaaaat	atgagatgct	ttagcacagg
70861	tactctaaga	atttgagaag	cttctcatgt	ttaagggaga	aggtaacatt	cctgatagaa
70921	acattttaaag	gcagtgcaga	aaggaaattc	tcacacaggag	gcctatagaa	cacacatggg
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71041	taaagatgaa	agaaagaggt	tgaacagaa	atagtaaattg	gttgaaaaat	atttttataa
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71521	aatgtatttt	aaaacatatg	ttgaagaaaa	tagcttttag	aggggcagat	aataggcttt
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FIGURE 2-T

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71881	gtcagagagg	aaattttaaga	aaacaaagta	tggaatagta	tcttccttcc	aaacatcagg
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74281	aagaaacaat	actattttta	ggaacaata	tggaataatg	tttcaatgct	ttatctttca
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74401	ctctttgggt	atttgtatat	taagattatt	tataatttgc	caattttata	ttaaaaatta
74461	aattcaataa	tcaaatatgc	aaactagttt	atcattttaca	aacataattg	cagagattca
74521	aattgattta	aaaagtaaac	tcaagaaaat	tggaattaca	ttatgaagta	taatatatat
74581	ctattttttg	agacggagtc	ttgctcactc	tatctctagg	ctggaatgca	gttgcccgat
74641	ctcggtctac	tgcaacctct	tctctctagg	ttcaagcgac	tctctgcct	cagcctcctg
74701	agtagctggg	actagaggtg	tgtgccacca	tgcccagcta	atttttttat	atttttagga
74761	gagacgcagt	ttcaccatgt	tgccaggtat	ggtctgtctc	gatttctgta	cctcttgatc
74821	ctcccgcctc	cgcttccaa	agtgtgagg	ttacagactt	gagccaccgc	ccccggccct
74881	gaatatccag	acaattctaa	aatccgtggc	tactcccctt	tgtaggaacg	atctttgaag
74941	aaatatttct	ttactttgag	gctgtgccaa	ttaaagaatt	gatcaatgtt	ttaggtgatg
75001	ggttatgcta	attgtctctga	tttgaccatt	atacctctat	acatgtttca	aaaataccac
75061	cctatatccc	acaaaaatgt	acgattatca	tgtgtcaact	aaaaataaaa	gggaacaaag
75121	agaaagagat	agaggtctct	atactgtgtg	cttgtttggc	ccgtcaccct	catagttgtc
75181	ctcaagtcac	tcctgaaggg	catacctttg	agtttattgt	gctcggagtc	cgctgggaag
75241	agggaaatctg	ggaagagttt	ggggaagggtg	agtcccgcat	actggggccg	attctccaca
75301	tagtttctta	ctgtgggttg	caatttcttc	atgaattctg	gacatggtgt	tcctagttgt
75361	tcaattacct	tattccactg	gtcaatatct	gagaattgaa	cagttaaggg	aaaaaagaag

FIGURE 2-U

```
75421 agcagaccac tagcctttca acaattggga gactaactct tctcaaagtc ctcaacagtc
75481 attaatgcaa ctgtagtttt aataagcaac aaagaatgaa aatataaaat cagacttgca
75541 ggctatgagt cttcttgaaa ttttaaattc acttttgaâa cttatatact tttggaaaac
75601 tagcaattat ttaacaaaat aagatatcat gaaatagtct ttgggggtga cagataaaaa
75661 gtcattcaga taacacaaga tgaatctcat attctgcaga taaacttcta tataaatcat
75721 gtgattcaga agaaaaatat ataatgacac atcatagtga cattttttatc ctgaagttac
75781 ctcaattatt tatattttta aaatgacaaa tacacaaata ttttagatta tattcattta
75841 cattttccta aactatcttt aagatatttt ttcttctcta aaaatctgga atttttttct
75901 atttttatgc atatcaacat aacttttata gtaaaacaac tcattagttc tttgtcagat
75961 tcctaaaaat catattttatt aaacaaagaa gccacctatt tcatacctat tgttttactg
76021 atgatatcac tgaatattgt tttcaatgaa atataagggg gaacagagga atattcaatt
76081 taaaacaaca gatttctatc caagtacatc caagttttaga aagtacatta agcatgggga
76141 ataccacaga aaaaatatta cctctctatg aaaattaata ccctttttaa ttggagctag
76201 ctctttttgc agacatactc aatgattgag attctctttt ttatctgtca ttaatatctg
76261 atatatcaga gccttgataa tgataaacac catctactct gaagaaYcaa ctggaaacaa
76321 ctgattttaa cagatttcct cgccatgtgc cagtgaataâ tagagatctt ggaaattccc
76381 ttaaatccaa tactgcaagc agtattctct cctacattgc ttattcttct acaactgttc
76441 tttggtgtta agttagttaa ctcatttcca ctaaggtaag gtgtgacagt taagggactc
```


FIGURE 3-A

>3:184282401-184429700

1	gaagcgctga	gggccactca	ccggccagg	acgcgaagag	cgcgcccgcc	gcgctgagct
61	gccggggcat	ggtgggcgct	gggcgaggtt	ctgcagcgtg	cggcgaRgtc	cgggcaggcc
121	ccgaatcgtg	gccagagaaa	cctacctgtg	ccggagaaac	gaaaccacct	gcttatgaga
181	agcagccgaa	aagccccccc	aggcccgctg	ggcggggagg	gaaactccgc	cgccccctc
241	ctacccctac	ggagcaggga	ggggcgggga	ctcggcgcag	ccgcccgggc	ccgggcctct
301	gggaccgttt	accgcacgcg	cgtgggtccc	gcagcgcccg	cctcctccgc	tcataacctg
361	ggtctcctcc	tttctttttc	tttctttttt	gagacgaagt	ctcgctctgt	cgcccagggt
421	ggagtgcagt	ggcgcgatct	cggctcacta	caacctctgc	ctcccggggt	caagcgattc
481	ttctgcctca	gcctccccag	tagctgggat	tacaggcatg	caccaccaca	cccggcta
541	ttttgtat	ttagtagaga	cggggtgtca	ccatattggc	caggctggtc	tcgagctcct
601	gacctcgtga	ttcgcccgcc	tcgacctccc	aaagtgcgtg	gattatagac	gtgagccacc
661	gagcccgcc	agggctcctt	cttttat	tttctttttt	atttcttttg	ttttgttttg
721	ttttgttttg	ttttttgaga	caaagtctcg	ctctgtcgcc	aggctggagt	gcagtggcgg
781	gatctcggct	cactgcctcg	gttcaagcga	ttctcctgcc	gcagcctccc	gagtagctgg
841	ggttacaggc	gcccgcacc	acgcccagct	aatttttgta	ttttagtaga	gacggggttt
901	cacctgtgtg	gccaggctgg	tctcgatctc	ctgacctgtg	gatccgccc	cctcggcctc
961	ccaaagtgtt	gggattacag	gcgtgagcca	ctgcgcccg	cccagggtct	cctcttttct
1021	aacagctcgg	gtacctttct	gggaacccag	agacgcttct	cagccgggag	aaagccagcc
1081	actaggcgag	caggagccta	aaaacccta	agcaccctga	ctccatgtct	tcccagggag
1141	tctgcggcag	ccgcgctcca	cgcccaggcc	tcgccaggac	cgcggtttgc	gggaagcaac
1201	aggagcacag	cccagaggcg	ctaggtctgg	ctgggagctc	gcgctgccga	ctcccggcg
1261	tgcggcgctg	gggaacctct	aggagccttg	gattcttcag	ctgtaaaacg	gacataataa
1321	tgcccactcc	cagtgtgttt	ttttat	tttttctttt	ttctttcttt	gtttttgttt
1381	gtttgttttt	gtttttgttt	ttgagacagg	gtctcactct	gtcgccagg	ctggagggca
1441	atggcgatgat	ctcggtcac	tgcaaacttg	ggttcaggcg	attctcctg	ctcagctcc
1501	acagtagctg	ggattacaga	tgtgcgccac	cacgtccggc	taattttttg	tatttttagt
1561	agagaccagg	tttcaccgtg	ttggccaagc	tggtctcaaa	ctcctgacct	caggtagatc
1621	gcccgcctcg	gccttccaaa	gatctgggat	tacaagcgtg	agccactgtg	cctggcccca
1681	ggtggtttta	cagaccagaa	aatcctggaa	caaaaaacac	acaatatcgt	tttttttttt
1741	tttttgaggt	cagggtctcg	ctctatcacc	caggctggag	tgagtgagg	tgatctcggc
1801	tactgcaac	ttcgacctcc	tggcctcaag	tgagtctccc	accttagcct	cctgagtagc
1861	tgggacaaa	ggcgcggtcc	accacgcccc	gctattttat	tttattttat	gtagagagga
1921	ggtctcgctg	tggtgcccag	gctggtctcg	agttcctggc	ctcaaatgat	cctcctcgct
1981	tagccaacca	ttgggattac	aggctgaagc	cacggcccac	ggctcaacaa	cgctgacagg
2041	caacctttta	atgtcttata	tccttctctt	attaattgga	ttgtctgtca	aaacaacgat
2101	gttttgacag	ggcttgagtc	ccagtgggga	atacacattt	aagcagtata	ttaggaSacc
2161	ctccttatca	ctagattgag	ggctttcagc	ctagcctcaa	attattttct	gaaaaataac
2221	tttggtatca	actattttgt	cttactatgt	tgctccaaac	actaatcaag	taaaactaac
2281	caaagcttgc	agtgtgtttc	agaatggaat	ttttatgggt	aaaagtgagg	gttaacttgt
2341	gccagtcac	ctagtttcag	caactacctg	ctttctgatc	tttgagacag	tttattcaaa
2401	agacgataat	taagtgggta	tagactgtgt	gccaggcact	cttcttattc	catttaagcg
2461	ccatagccac	tctatatgga	cactgttggt	attatcgctg	ccccatttcg	cagatggaga
2521	aactaagcac	aaagaaggga	gttgcccaga	gtcacttaga	taataaatac	cgaaacctga
2581	ccataaatct	tgtctgcctt	gagagtctag	gattttaagc	acatagccgg	gcgcagtggc
2641	tcacgcctgt	aatcccagca	ctttaggagg	ccgaggcggg	cggtacacga	ggtcaggaga
2701	tgagaccat	cctggctaac	acagtgaaac	ccagttctat	taaaaatata	aaaaaattag
2761	ccaggcggtg	tggcagggtc	atgtagtccc	agctactcgg	gaggctgagg	caggagaatg
2821	gtgtgaaccc	aggaggtgga	gcttgacagt	agcgagatc	gcgccactgc	actccagccc
2881	ggcgacagga	aggagactcc	gtctcaaaaa	aaaaaaaata	aataaaaata	agctgctcct
2941	cttaccttg	aaattccaag	ggatttagga	gctctgtttc	aggaaccagg	gtcaaagacc
3001	aagtattaaa	acaaaagatt	ctcctagaac	tctggcatat	aaggatttta	ggagctctgt
3061	cttagaaaact	gggacagaga	ccaaagatat	attattatat	cgcagatca	tagtttatta
3121	ttttcaaaaa	acgttttctg	gctggtacag	tggttcatgc	ctataatcca	agcactttgg
3181	gagggccaag	tgggagggtc	actttaggcc	agaagttcaa	gtccagcctg	ggcaaacacag
3241	ggagaccctg	ccactattaa	aaatttttta	aattagctgg	gcatggtggc	acatgcctgt
3301	agtcccagct	acttgggagg	ctgaagcagg	aggattgctt	gagcctgaga	ggtcaagact
3361	gtagtgagct	gcgatcaagc	gactgcactc	tagcctgggt	gacaaagcca	gacctgtgtg
3421	ctaaaaaaaa	gaaaagaaga	ggaaaaaaaa	aggtttttat	ttcaactaag	ttgttggtatt
3481	tatttagcata	aagcttttca	taacaatccc	ttgtcttaca	atatctgtag	tataggtagt

FIGURE 3-B

3541	gatgtcactt	cttttattac	taatattaat	aatttgtat	ttctctctia	tttccctgct
3601	aatattaata	atattgtattt	tctctctttt	ttccctgata	agtttggctg	gaggttgatc
3661	aattctattc	atgttttcaa	gaaaaaaaa	aaaatttcat	ttcatcgagt	tccttcattg
3721	ttcttatgtt	ttctgtttta	ttcatttcta	cctgatcttt	attattttct	ttcttctact
3781	taacttgtgt	tttatttgct	cctctttcaa	tagttttcaa	agatggaact	tgcttgggat
3841	atcccagcac	tttaggaggc	tgaggtggga	ggatcacctg	aggtcaggag	ttcaagacca
3901	gcctggccaa	catggtgaaa	ctccgtctct	actaaaaata	caaaaattag	ctgggtgtgg
3961	tggtgggcac	ctgtgatccc	agctactcgg	gaggctgagg	caggagaatc	gcttgaacct
4021	gggaggtgga	ggttacagt	agctgagatc	acgccactgc	actccagcct	gggtgacagg
4081	agctagactc	tgtctcaaaa	aaaaaaaaag	aaaaaaaaaa	agatggaagt	tgaggccagt
4141	gggtataaaat	ctttcttcat	ctctaataaa	caggtttact	gttatgaacg	tcctctaat
4201	tactacttta	gttgatccc	acaagtttaa	tagttttca	ttttcatata	attagaaaga
4261	cttcttaatt	tccttttgct	atctcctcga	ctcatgggta	tttaaaatag	cattatttca
4321	tttccaaaca	tatagttttt	cagatatctt	tcttttattg	atttttaatt	ccactgtggt
4381	tgaaaacata	attatggact	taaactttac	aaattttattg	atatttggtt	tttgaccaag
4441	actatgggtg	gttaccattag	ttttcaggac	tgacataaca	aagtgcacag	gactggcga
4501	ttaaaaccaca	gacatttgct	ttctttaaat	tctggaaacc	agacatgtga	gatcaaagt
4561	tcagccgggt	tggttttttc	tttttctttt	tttttttttt	tttttgagac	agagtctctt
4621	tctgtcaccc	aggctgggat	gcagtgggtg	gatctcggct	tactgcaaat	tctgcctccc
4681	aggctcaagc	gattctcctg	cctcagcttc	ccgagtagct	gggattacag	gtgccttaac
4741	ctgcacctgg	ctaatttttg	tatttttagt	agagacgggg	tttcaccatg	ttggccaggt
4801	tgatctcaaa	ctcctgatct	caggtaatac	accgcctcgg	gcctcccaaa	gtactgagat
4861	tacagggctg	agccactgca	cccgcccggt	gttagttctt	tctaaggcct	ctctccttgg
4921	ctagtagaca	cctttgtttc	acatggtcat	ccctctgtgc	atgcctttgt	ctgtccta
4981	ctcctcttct	tataaggaca	ttagttaggt	aggattagtg	cctactcttt	gaactcgttt
5041	tacctcttaa	agaccctatc	tccgaatata	gtcacattct	gagatacttg	gggttaagac
5101	ttgtattagt	ccattttcac	gctgctcata	aagacatacc	tgagactggg	aagaaaaaga
5161	gggttaattg	gacaattcca	catggctggg	gaggcctcag	aatcatggtg	ggaggcgaaa
5221	gtgacttttt	acatgggtgg	ggcaagagaa	aatgaggaag	aagcaaaagc	agaaaccctt
5281	gatagataag	cccaccagat	atcatgagat	ttattcactg	tcatgagaac	agcacgggaa
5341	agaccagccc	ccatgaatac	attacctctt	ccttgggtccc	cccctcccca	caatatgtgg
5401	ggattctggg	agatacaatt	aaaattgaga	tttgagtggg	gacacagcca	aaccatatca
5461	ttctgtccct	ggtccttcca	aatctcatgt	cctcacattt	caaaaccaat	catgcctttc
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5641	ttcctagata	caatgggggt	acaggtagtt	ggtaaaataa	gccattccaa	atgggagaaa
5701	ttggccaaaa	caaaggggtt	acagggccca	tgcaagtctg	aaatccagtg	agggagtcaa
5761	attttaaagc	tccaaaatga	tctcctttga	ctccagggtct	tacatccagg	tcacgcta
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5881	cctccctcca	ggctgctttc	atgggctggt	gttgagtgtc	tgacgtttt	ccaggcacc
5941	agtgcaggct	gtcagtggat	ctaccattct	ggggtttgga	ggacaaaggc	cctcttctca
6001	cagctgcact	aggcagtggc	ccgataggga	ctctgtgtgg	gggctctgat	cccacatttc
6061	ccttctgcac	tgccctaaga	ggttctcctt	gagggcccca	cagcttccac	cctctgaacc
6121	atagcccaag	ctatgcattg	gccccttcca	gccatggctg	gagcagctgg	gacagagggc
6181	accaagtcac	taggtgcac	acaacatggg	gaccctgggc	ctgccccaca	aaacccttt
6241	ttcctcctgg	gcctccaagc	ctgtgatggg	agaggctgct	gtgaaggctc	ctgacatggc
6301	cttgagagaca	tttccccatg	gtcttgggga	ttcacattag	gcttcttgtg	acttatgcaa
6361	atctctgcaa	ccagcttgaa	tttctcccca	gaaaatgggt	ttttcttttc	tgtcacatag
6421	tccggctgca	aattttccaa	acttttatgc	tctgcttccc	ttataaaact	gaacgccttt
6481	aatagcacc	aatcacctc	ttgaatgttt	tgctgcttag	aaatttttct	caccagatac
6541	cctaaataat	ctctcaagtt	caaagtcca	caagtctcta	gggcaggggc	aaaatgtggc
6601	cagtctcttt	gctaaaacat	aacaagaggc	acctttgtct	cagttcccaa	aaagtctctc
6661	atctccatct	gagaccacct	cagcctggat	cttattgtcc	atatcactat	cagcattttg
6721	ggcaaaacca	ttcaacaagt	ctctaggaag	ttccaaactt	tcccacattt	tctgtcttcc
6781	ttctgagccc	ttcaaaactgt	tccaatctct	gcctgttacc	cagttccaaa	gttggtccac
6841	attttcaggt	atcttcagca	acgtttcact	ctactggtag	caatttactg	tattagtcca
6901	ttttcacact	gctgataaag	acatatctga	gactgggaag	aaaaataggt	ttaatgggac
6961	ttacagttcc	acatggctgg	ggaggcctca	gaatcatggt	gagaggtgaa	aggcatttct
7021	tacgtggtag	tgacaagaga	aaatgaggaa	gaagcaaaag	cggaaacccc	tgataaatcc
7081	atcagatctc	atgagactta	ttcactatca	cgagaatagc	atgggaaaga	ccggccccc
7141	tgattcaatt	acctccccct	gggtccctcc	cacaacacat	gggaattctg	ggagatacaa
7201	ttcaagttga	gatttgggtg	gggacacagc	caaaccatat	caagacttct	acatatgaat

FIGURE 3-C

7261	tttggaggga	cacaatttaa	ctcataatag	tggactgtcY	tggtaaatgt	tctgtgtgca
7321	cttgagaaga	atgtgtgtat	tctctcattg	ttggattcag	tgacctataa	atgttaatta
7381	ggttaaacta	attgatgtag	ggaaaagaaa	gagagatcag	actgtcactg	tgctatgta
7441	gaaaggggag	acataagaga	ctccattttg	aaaaagacct	gtacttcaaa	caattgcttt
7501	gctgagatgt	taattttag	ctttgcccc	gccactttgc	cccagccact	ttgaccaac
7561	ttggagctca	caaaaacatg	tggtgtataa	aatcaagggt	taagggatct	agggctgtgc
7621	aggacgtgcc	ttgttaacaa	aatgtttaca	agcagtatac	ttgggtcaaa	tcacgcgat
7681	tctctagtct	caataaacca	ggggcacaa	gcactgcgga	aagctgcagg	gagccctgcc
7741	cttggaagcg	gggtattgtc	caagggttct	ccccatgtga	cagtctgaaa	tatggcctcg
7801	taggatgaga	aagacctgac	tgtccccag	ccccacaccc	ataaagggtc	tggtctgagg
7861	tggattggta	aaagaggaaa	gcctcttaca	gttgagatag	aggaaggcca	ctgtctcctg
7921	cctgcccctg	ggaactgaat	tctgttggtg	aaaacccgat	tgtaactttg	ttcaactctg
7981	aaataggaga	aaagctgccc	tgtggtggga	ggtgagacat	gtttgcagta	atgtctgcct
8041	gttattcttt	actccactga	gatgtttggg	tggagagaaa	cataaatctg	gcctatgtgc
8101	acatccaggc	atagtacctt	cccttgaact	taattatgat	acagattctt	ttgtcacat
8161	gttttttgtt	gaccttctcc	tctgttcac	cctgctgtcc	tactacattg	tttctgtg
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8281	gtccttggtg	tgctgagtgc	cgggtccccg	gactcactgt	tgtttcttta	tactttgtct
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8401	ggagggcgag	gccacccctt	caattgtatg	tatggttcaa	gaacaaatgt	ttcaacttta
8461	ggatggttta	acttatgatt	tttcaacttt	agaatggtgt	gaagtctgta	tgcatcag
8521	agaaggcata	ctttgaattt	ttatcttttc	ccaagctact	gctatgggac	aagatactct
8581	ctcacaaatc	tgggcagtg	cagcaagcct	cagcttccag	tcagcaccca	atcccaaggg
8641	taaacaactg	atacagccat	tctgtttttc	atttttagca	aaatactcaa	taaatatcat
8701	gaggcactca	atgctttatt	ataagacaag	ctttgtatta	gatgatttgc	ccaactgtag
8761	gctaattgtg	gtgttctgag	cacatttaag	gtagactata	ctatgccatg	atgtttggaa
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9121	tacataatat	ataaatatgt	atataatata	taaatatata	caatatataa	atataaaga
9181	tatattatat	atataatata	taaatatata	atataataat	atataatag	taaatatata
9241	atatataaat	atatgtaaat	atgtaatatg	taaatatgta	atatgtaaat	atataatag
9301	taaatatata	atatataaat	atacataata	tataaatata	taatatataa	atatataata
9361	tataaatata	taatatataa	atataatata	tataaatata	tattatataa	aatataataa
9421	tatacataaa	tatatataat	atataaatat	atataatata	cataaatata	taatatataa
9481	atatatataa	tatatataaa	tatatatggg	gaaaaaagct	tttataacta	ctcatgtgat
9541	taccgtttct	tgcatgtctt	attcctttgt	ttagatcctt	gggatttttg	ttgtatggt
9601	gaccttagtt	ataccaggca	cttcaaatct	taccttgtgt	ttaggaWag	ggcttgtttg
9661	cccaaaggtc	ttccctaagt	tctgtctccac	cttcaacttt	aggtcttctc	tgctgtcagt
9721	ttctctctcc	atacacttgt	agctctccca	ggagtattcc	atcgttactt	gttagtcagt
9781	gcttatttagc	gggtgtgtg	gatctgagag	gtgaggtgct	tggttgtgat	tctcagttct
9841	gattccatgca	ggtactgtgt	ccctgggYct	tgaagggtat	gaccaagcSt	ctctgtccct
9901	ccccgcagca	gtagttttgg	gctcagcaca	tattcctgcc	ccttccccag	aatcagaggg
9961	ttttttgttg	ttgttgtttt	gtttttcaag	tttttgttcc	tttttctcca	tctgtgtttg
10021	atttaccagc	ccctaggag	cgtcagtatt	tgttaccctt	cctccaggct	tttaaggcct
10081	ttgtaggaga	gatgggcaa	tagcatctga	gcatggtttt	gtgtctttct	tgtagcaact
10141	gatattcctc	acccccaggt	ctatgccagg	aaggatgctt	ccttacatgc	ctgtaatccc
10201	agctaccggg	gaggctgaag	cagaagaatc	acttgaaccc	aggaggcaga	ggttgcatg
10261	agccaagatc	atgccactgc	actccagcct	ggcaacagag	cgagacttca	ttcaaaaaa
10321	aaaaaagctc	ttacactctt	ctgcaatatc	tgcaaagtat	actctgggaa	ggctggttta
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10441	actcccatca	gattttacag	atctgggtct	gcttttagtt	ctaagtcttc	agccagggca
10501	ctttaatctg	aggtcacagc	attcccaatt	gtcagcagta	ttttgaaatc	taagttcctc
10561	tggtggacaa	caggcaacat	catatagcca	cggaggatct	gaacaacttc	taagttctgag
10621	Sgattttatc	tggtgtgttt	ggattctttt	ccattttatac	ttaaacaagg	tgacacaaat
10681	gtcactcaca	gaaaagccac	tcttttttcc	cctgttttta	agaagtctaa	aaatgcacaa
10741	ctatttcctg	aatgagcagt	gtgtccaggt	gtagaatagg	gaatgtcgtg	tccactggga
10801	acagacggtg	tacctggcac	aattttatga	gaattatccc	atgattcctg	tcccaccctg
10861	cagcccacca	tggtgtcagt	ggggagtctg	agtctctgag	ccccaaaggg	tagctttttc
10921	ccagacgaca	ccagcaagca	gagcagcagc	ttggggcttt	gacaaggagg	ctggagtga

FIGURE 3-D

10981	aggatcatatt	ggaccatcct	ggRtcactgg	aggacaatac	cccaggaacc	tccagcaatg
11041	actggtattg	gaatgactcc	cctgggtcacc	cacctgtggc	aagacatttg	caaacagggg
11101	cttcctatga	ggcttgtgag	gtttggccaa	tttgattctt	gctagaatta	tttaagtatg
11161	acatccctcat	agatccagaa	aagggccgag	atccaaagga	ttgagaatgc	tttggggggg
11221	gtttccatag	tgagtggctg	gctattcaac	agtcaaagt	ttgagaggat	acaagtgatg
11281	tgtttcctga	ggcaagtggg	cagaacccaa	cagactcttc	tgttcagcta	agatgagaga
11341	ccatctgaag	ttcttacatg	ttctcacaga	gaaatggatt	ctcataggga	aatggatata
11401	ttgtgataga	cactgtaagc	agagaaggtg	actgagaaac	acacacacac	acacacacac
11461	acacacacac	gtcaagactg	aatgcataga	tggtgtattat	aaaaagYgta	aaaaatacacc
11521	accattStaa	cagatttgtgt	aggactatat	tttctttttt	tttaatttat	tattattata
11581	ctttaagttt	tagggtagat	gtgcacaatg	tgtaggttag	ttacatatgt	atacatgtgc
11641	cattgctgtg	tgctgcaccc	atttaactgt	catttagcat	taggtatatc	tcctaatgtc
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11761	gtccatgtgt	tctcattgtt	caattcccac	ctatgagtga	gaatatgYgg	tggtttgttt
11821	tttgtccttg	caatagttta	ctgagaatga	tgatttccaa	tttcatccat	gtccctacaa
11881	aggacatgaa	ctcaccattt	tttatggctg	catagtattc	catgggtgat	atgtgcacac
11941	ttttcttaat	ccagtctatc	attgttggac	atttgggttg	gttccaagtc	tttgctattg
12001	tgaatagtgc	cacaataaac	ataYgtgtgc	atgtgtcttt	atagcagcat	gatttatagt
12061	cccttgggta	tatacccagt	aatgggtagg	ctgggtcaaa	tggtatttct	agttctagat
12121	ccttgaggaa	tcgccacact	gacttccaca	atggttgaac	tagtttacat	tgcccaaac
12181	agtgtaaaag	tgttcctatt	tctccacatc	ctctccagca	cctgttgttt	cctgactttt
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12421	ttaggactat	attttctttt	gacttgggag	gcattgtttat	tgctgttaat	gctgcaaagg
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12541	gcagcctccc	acttttggaa	aggcatcccc	acgacctttc	catggttgct	gaatgcagct
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12781	agcagcagga	atcaaaaggt	gaaggagagg	gggcaactca	cctccgatgg	acacgtgaaa
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12901	ggaaaagtaa	ggtcaggaga	agcatgggac	tcctgaggtt	gctccctact	atcttgcaga
12961	cttgctgcag	gaccaaata	agcaggatct	gtcaagcacc	agggccagct	cttaagctta
13021	gtgcctttct	gaaccctgtg	acccagcagc	ctccatcaac	tcgtcctacc	tgccatgcac
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13141	cttctccacc	aggagaagaa	caattgccag	taagaccag	ttctaagtgc	accccttctt
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13261	gttgtgattt	tttttccaca	tctgtctccc	ccactggaat	gagagcctca	ctcatcttca
13321	tacctcctg	gtctctacct	gtgtccagaa	ccatcctcag	ggcaggggta	tgctcaggaa
13381	atagatatgg	aataaaataa	gtgtatccat	ccatccatcc	atccatcctt	ccatccatcc
13441	agacatatat	acatatgtaa	acattctgat	ggtcaaatgg	aacaatgtgg	gctgaagaat
13501	aatgcaggta	gaagaacctt	agattacaga	ttcttgattt	gggaggaaact	ttattttatt
13561	gtgcaaaacag	tctacaaatt	tgaacatac	tctatcaaga	aagacactgt	tgtagggaaa
13621	gggctgtggg	gagggtggcc	ccacaaaaca	gtgtaaagtt	ctaaagaatt	tgagaggaa
13681	actctgcggg	accctgttcc	aagggtcatc	ttctaagagt	ctgtccctta	ggctctgccc
13741	cttttttgcc	acgttgtcaa	aggccttctt	tatgaacgaa	gtgagacaca	ttatttttgt
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13861	cccactctat	tccagaaaca	aaccaggaga	ctgaagactc	atcccaatcc	catatcccat
13921	gaaaatgtga	aatcaaatca	cccctgacaa	ttccaaaact	aaYggaatcc	taacataact
13981	ctatgtaact	ctaaagctga	gtgtgctggg	aattaaagctt	ccagcccacc	cttcccagct
14041	ctggggtgca	gggtcaccat	gggtcctctc	ctgtgtgcac	cccaccccac	ccccagctgc
14101	agcatcctgt	ctccaccctg	agagtgcacg	ctggttccag	tagcgggagt	tggttccagc
14161	ttgccatttt	cctagcactc	ctataaccag	cctgtgatg	cccattcaga	gacagcagca
14221	cggtgctggc	atgtcccctc	tccagaattc	tgctgtccagc	tcctggacct	tgagctctga
14281	gcccttgggc	cacgtgtacM	attaatagt	cctcctctc	agaggactaa	ccccagccc
14341	tagggccacc	ttcatatttc	Ygagttttga	tattttcaac	ctcttttctt	tggtgtatga
14401	gtccttgggc	tggtgagctt	cagtcaaaat	cttcatgata	tctcattatc	actacttttt
14461	tttaaatctc	tactagctgg	ataacaatta	tttatattaa	attctctctt	gaaataactg
14521	atacagtgtc	tcttgattga	aacttgacta	gtagactaag	aattctaact	ctaaataatt
14581	ctgaggggcg	ggtgtggtgg	ctcacacctg	taatcccagc	actttgggag	gccaacgcga
14641	atggatcacc	tgaggtcagg	agttggagac	cagcctggca	aacatggcga	aaccgggtca

FIGURE 3-E

14701	ggagatccag	accatcctgg	ctaacatggt	gaaacctcat	ctttacttaa	aaaaaaaaa
14761	aaatacaaaa	caaaattagc	caggcgtggt	ggcagatgcc	tgtagtccca	gctattcagg
14821	aggctgagac	aggagaatag	cgtgaacccg	ggagggtggag	cttgcaagtga	gccgagattg
14881	caccactgca	ctccagcctg	ggtgacagag	agagactccg	tctcaacaac	aacaacaaca
14941	aattagccgg	gcatggtggc	aggtgcctgt	aatctcaact	acttggggag	ctgaggtagg
15001	agaattgctt	gaacccggga	ggcggagggt	gcagtgaagc	aagattgagg	cacttcactc
15061	cagcctgggt	gacaagagca	aaactccatc	tcaaaaaaaa	aaaaaaagaa	aaaaaaatct
15121	gacaattaaa	taaagaacag	aaaaaaaaatt	tgaatggcaa	atacaaagct	gaaaagaaat
15181	aactgagaat	aaataactct	gaaaatagct	caaaaactaa	atacctcaaa	aactctttaa
15241	aaattcagaa	aataataatg	tcaaatatga	agtaatgctg	aaaaatgaaat	aactaaaaac
15301	caagtaactt	gaaaaaaaga	acataaaaat	aaacaactca	aataataaaat	aactgaaaat
15361	aaatacctgt	gaacataaag	aactcgaaaa	ccagataaact	aggggaaacc	cttcattaaa
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15481	atagtcacaa	aagttactgt	aaaaataaat	aactcaaaaa	ctccaataag	ataaagtga
15541	ataactatga	aggtaaataa	ctcagataat	aattgtaaag	ataattaaaa	ataaattccg
15601	gctgggagcg	gtgggtcagc	cctgtaatcc	cagcactttg	ggaggccgag	gcagggggat
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15721	aatccaaaata	aaaaattagc	cgggcgtggt	ggcgggagcc	tgtagtccca	gctactcagg
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15841	ccactgcact	ccagcctggg	cgacagagcg	agactccgtc	tcgaaaaata	aataaataaa
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15961	tacataataa	taactgaaaa	tgaacaacta	aataactttg	aaaaataaagt	aactataaac
16021	cagtaactga	aactataaaa	ttaataaacc	agaaagctac	aaagaaatga	aatcaacta
16081	ataaaactaa	aaataaaata	caactgaaac	taacaaaact	catttaaaaa	ctaataaatc
16141	gatacataaa	atacctcaga	aagtaacttg	gaacgaactc	tctctacaac	gaagcaatc
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16261	tcccagtcct	cggcccccgc	cgggttKgag	cggctccggc	tcctccaagg	ctcgggctaa
16321	gcggtctctc	accgattccc	accccgccct	ggagaaatgc	gggctgtctc	gcaggcattt
16381	ttgattgtca	cgatttgggg	gcgggggtga	ggatgggggt	gcgcattcct	ggcacttagt
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17041	tctccaggaa	agcagatttg	gaggaaacagg	tttcgtgact	gtcgtccgac	tggaaaaggc
17101	ccgcgagctg	gaagggaggg	gacgggtgca	ccctcagagt	tattgtgga	ggctgtggcc
17161	agaccgggca	aggtggtgac	tcccgcgtgc	aggctgaggg	ccaccccagc	cctcccacct
17221	gggccaaggc	gctctcagcg	ggagccccag	ttatgaccgg	acaccagcgc	accgccaagg
17281	agacagccac	gtggggacat	gctggactag	gagggtcaga	gccagtttga	gggtctgggt
17341	acctcggtc	cctggcttaa	ccagtcctt	atgggtgaga	atcctgagga	gggggagagg
17401	gatggaggct	agggacagga	ggcaggagga	gctgatgaat	aggaaggagg	gaagaagatg
17461	aaagaacaaa	aagggaagta	attacactca	gagcactgct	ctccttttcc	atgtcttctg
17521	cgccttcaca	gtcttcaaa	gtgtccatgg	agctaaactc	cctgctggag	cagccttagg
17581	gagagaaagg	gaaggatggg	gcctctgtgg	ggtgggagga	catccctctc	gcccattggc
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17701	caagggcctg	cactgcgctg	ggctgtgagg	gggtctgtga	tctccaggct	gcttttccag
17761	cgccgagatg	ccgtaattca	ccgagaaggc	gcgtccacat	gctgttcatg	gccctacctc
17821	cccgttctct	caagaaaaca	gtcattgttt	tttgtgtttg	ccagtcctct	accagcctc
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18181	atgttaggca	tttgtcaaag	tttaagcctc	acaacctgtg	aagggtctca	gcccccttta
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18301	agctgtcttc	tccagcactc	ctgctcttta	ccctcgctct	gagtgcagtg	gagtcctctc
18361	cccacatggc	tcacaagcca	gggtagggag	cagagcatct	gcagaaaggt	cccaacacag

FIGURE 3-F

18421	gacagcccca	gaccgaggggt	cagctgagta	gtctacgcgg	cgggagccgt	gctaggaaaag
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18541	gagagggagg	gcatttctggg	cagaggcatg	gccagagggc	ggtagggcggc	agtggagggga
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18661	cccccaacaa	gccacgttct	gggccccagg	ccctccccag	agcagatcag	tgggggctgt
18721	gtgagtaaca	tgggggcggg	ggggcagctg	ggcagcacct	ccctggaggc	ccctctgaaa
18781	tcctgcctga	ctctggcagg	ctccgagggg	gctggacacc	ctcctctcag	gttgaagcaa
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19021	agcaagcagt	gagaatggaa	gaatgattgt	cttgctgaaa	gttctgtgat	ggagggatag
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19201	ccactgggag	gctggcggtt	gggcctggct	caggagcctt	cgtcagccat	aggcagccac
19261	agcctggggg	gggcagggct	gggagggcag	acaggaactg	aaaaacctga	caagctctag
19321	cccctccgca	gggtaagtgg	tacctccagg	taaaatgatt	agttKgttcc	agcccccttg
19381	cagggtaagt	ggcacctggg	gtaaaatgac	tgccctggagc	tggcagctgc	tttccctgct
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19861	acgcagaaac	acattttatac	aattcaaaaca	caagcggagc	gaacaatatt	tacccttaga
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20821	gcactgaggg	gaccccaaaa	tctcagactc	aggatctggc	cagtcacagg	catgtgaggg
20881	aacaactgag	aggcccattg	ccccatggca	ggagaagggtg	ctctggagtc	agtcagacct
20941	gagggcagtc	agacctgatt	ctcactctgt	cactcactag	ctgtgtgatc	ttggatacat
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21121	aggaattcaa	caaatagtac	ctgttatgat	tattgtgtat	agcaattaca	ataatactaa
21181	agagaggggtc	tcaaaacagc	tctgggcact	ccagggtgtg	tattattact	tacatttcag
21241	ggaggtttgt	ctgccattgt	ctcatcctca	taaactctca	gggaaagaaa	cattataagg
21301	ataataaatg	gctttaaaaa	gaaacagagc	aaacacacac	acacacacac	ccctcagaaa
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21541	tcctgtctca	gcctccagag	tagctgggac	tacaggcaca	tgccactatg	cctggctaatt
21601	ttttgtattt	ttagtagaga	cagggtttca	ccatattggt	caggctggtc	tcgaactctt
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21721	catgcccagc	tgattatagc	aaaattctaa	tgatagtgtg	tattcttgga	aatgaatgg
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21841	tggggcactc	tcagtctatg	tatcagataa	gcataaggag	tattgttggg	gaaggacaag
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21961	tgaaccctt	agtcgacaa	ctttctgggtg	catatcagat	aagctgaatg	gtttaggaaa
22021	cttagtgttc	acatttagtg	cttagaattc	taagcttttt	tattttgctt	aaacaaatgg
22081	aatgaaattt	attaacaagt	gaacctagta	atgagctgaa	attattctca	ccagcataca

FIGURE 3-G

22141	tatTTTTggt	aaattataga	ctttgaagac	aaaatcatgg	tgtttccctt	actgtccagt
22201	ggatggcaca	aagagaccat	tgtagatcct	gctgggtcag	cggtagctct	caatccatag
22261	atattaaatg	ggcaaattct	atTTTTattg	tctttcaaac	tagatTTTTc	tcaatgcaca
22321	actTTTTttt	tctTTTTctt	TTTTTTTTtt	gagacggagt	ctcgctctat	tgccaggctg
22381	gagtgcagtg	acacgatctc	ggctcactgc	aacctccgcc	tcccgggttc	aagtgattct
22441	cctgcctcag	cctcctgagt	agctggggac	tacaggcgca	tgccaccatg	cccagctaata
22501	TTTTTTgtaa	tatcagtaga	gacaggggtt	caccatgttg	gccaggatgg	tctcgatctc
22561	ctgaccacgt	gatccgcccc	ccttggcctt	ccaaagtgct	gggattacag	gcgtaagcca
22621	ccgcgcttgg	ccaattatgc	acaactTTTT	aaggaccatc	tctatcacat	gaactaaagg
22681	atatcatttt	cacttggggg	tgggaagtgg	tgagctgctt	aaaagcaatg	cctaaacccc
22741	ctgggctttc	cttcctttca	cttgggaagaa	ccagggggta	actaactgct	aacaattcca
22801	tgctttcaga	gatctaggcg	caagcctaag	ggcttcactc	catttaatcc	tcattggcaag
22861	actgtacagt	attatctcca	TTTTgtaaaa	tgaatgataa	aaagaactta	agcacagaca
22921	ggctatagaa	tccatccaaa	gagatggagc	tgcaactgag	gctgggtctt	tgagacctga
22981	gtttgagccc	ttcatcattg	tgttgtgtgt	gctgctaacc	aatttcccct	ctctgtcttc
23041	taggatttaa	tacatgggtg	cacattctgt	ctgatccatc	ccagtagctc	tcgaagctc
23101	ccaacaggag	agagttccaa	aatgtttcca	ggggtactag	gctcggttac	aatatTTTgc
23161	ttggtggccc	agagtataaa	cgtggatata	ttaggctggg	ctatagctga	aacgtctatt
23221	tattttgcaa	gcctatcttt	ggctaagagg	aagtgaatca	ttcttgagaa	catctaatta
23281	attgctttca	gattccacat	gttgacattc	tcagggcaca	TTTTTTTTtt	ccgtggcaat
23341	tctgttgtca	aagtccctgc	cagctcctaa	ggcagtctga	gctggctgtc	ttagactttc
23401	agagctgctg	gaagcttggg	ggaggggagg	gctgtaggtc	aaagaaactt	tataacctag
23461	ctttacctcc	cagctcagcc	accagctgcc	ctcaaatgtt	ctggattgga	ataagcccaa
23521	agatgagtgg	caggagggaa	gggcaagcca	atacgtctag	tttggttcag	tcaaagcctt
23581	gcccaattca	tcagaatttt	aatggaaaaa	ttccaataag	attaaaaatat	aaggtcaccc
23641	caatttttagt	atggctccat	ttaaaaaaaa	tcatgcataat	ctttgttttg	caatggggcc
23701	ttactcttgc	ccaggagagg	tgcggtggta	caatcatggc	ttacggcgagc	ctcaacctcc
23761	tgagctcaag	caatcctttc	accttggcct	gccaaatagc	taggattaca	gacaccaccc
23821	accatgccca	gctaattttt	aaaaaaaatt	TTTTgtagg	ccagtgcagt	ggctcatgcc
23881	tgtaaatctc	agcactttgg	gaggccgagg	caagcggatc	acctgagggtc	aggagtttga
23941	gaccagcctg	gccacaatgg	tgaactggcc	gtctctacta	aaaacacaaa	aattagcgag
24001	gtgtgggtgg	gggcacctgt	aatcccagct	actcgggaga	ctgaagcagc	agaatcaatt
24061	gaacctggga	ggtggagggt	gcagtggacc	aagttcgtgc	cattgcactc	cagcctgggc
24121	aacaagagtg	aaactccgtc	tcaaaagttt	ttgtggagat	ggggtcttgc	gatattgcc
24181	aggctgggtc	caagctcctg	gatatacaagt	gatcctcctg	ctttggcttc	ccaaagtgtt
24241	gggattacag	gcatgagcca	ccacaactga	ccaaatcatg	catttctata	gacaacctct
24301	gcaagaagat	attaatgggt	attatatctg	gttatgttgg	atttgtattt	ttatttgtac
24361	tttctgttat	tttctaaatt	cctgacattc	tacatgtgta	ctcctttaat	aatcagaaaa
24421	ggaacttaaa	aatagttaaa	accaattggg	cagatatgta	aaataaccca	ccatctctcc
24481	agagagggct	gtttgctaga	acttattttc	ttcattgaaa	tactagagtg	cccaataaag
24541	tttgaataac	acaaaaaaa	agataattga	agtaactaaa	ttatctaggc	ccaaaaggaa
24601	atgccacaaa	aattggcaaa	gaaacaacca	tgacgtgcta	taccggatag	ctcctaggcc
24661	cccttgagga	ccctgaggta	cccgcagagg	gacctgtagt	aaggctggca	gacaggttct
24721	tcctctgtta	gctctgaggt	acaacagtta	ttctcatttt	tatgtctttc	acatggccag
24781	aactttgcaa	atcagaggca	aagtgaattc	agaattaaaa	attttcagca	ccatccaagt
24841	cagtaaaaca	gtcttagctt	ataaccttta	TTTTTTTTat	tattttatta	TTTTTTTTatt
24901	tttggatgga	gtcttgctct	gtttccaggc	tggagtgcag	tggcatcatc	tcRgctcact
24961	gcaacctccg	cttcttgagt	ccaagtgatt	ctcctgcctc	agcctccoga	gtagctggga
25021	cgacaggcat	gcgccaccac	gcccagccaa	TTTTTgtatt	tttagtagag	acgggggttc
25081	accatgttgg	ccaagatggg	ctcaatctct	tgacctcctg	atcctccgc	ctcggcctcc
25141	caaagtgtctg	ggattacagg	cgtgagccac	cgcgccagc	cctttatttt	tactgtaagc
25201	tgccagtaaa	cagcacaccc	acctgtctgc	tgactgtccc	atctggaagt	tgtgtaggtc
25261	cttactgaat	cttaccttct	tcccttcccc	taccagagcc	ccatcccagc	tggcacgtgg
25321	aatcctttcc	ctttctcctc	atgtcaatag	accagcaggc	aaagagagca	gttaccatag
25381	tggaaaggaga	aacgggtcct	agtcgtgggt	aggaggtagg	gctgctgctt	aacaRaggcc
25441	gagagggaca	tgtctgatgc	tcagtgatgc	cactaggaca	tctcgcaata	ctccatgcc
25501	cagctgtaac	tatgatggcc	aagtccaaga	accatagcct	gataagagtc	taggaccccc
25561	actatacatg	ccaccagtag	aagtgcctga	tggggagagg	gatgtctaga	atgagtagga
25621	gggaatgatg	acaaagcaca	gccaaggacc	aactgcagtg	gcagggtggc	gccacagatt
25681	gagttaagta	ggattcttgc	tgtgttccct	agtggagaca	tctcccttgt	tgagaccac
25741	tgagggttaaa	gttggagaca	tggggagaaa	acaatgtccc	cgtgttcatc	actagagtca
25801	tgatgggcaa	ggtcacaaact	catttgactt	cttggctccc	agattcatat	actctgcctc

FIGURE 3-H

25861	ttggggggcac	ttcaccataa	tacagccatt	ggttcagttg	tatgctgcat	cctgagggac
25921	agcactccat	ccccgcagtg	ccatgtccaa	actgctgccc	cgcctcactc	tcaagaggct
25981	gtcccactac	tctgtcaggc	accagcttct	gaatgcagtg	gtaagactct	gtcctgtgat
26041	cacgtctatg	gctgattctc	ttttgccata	ctgagtgccc	tgatcaaagc	agtgttatac
26101	agcctggcgc	gctggctcat	gcctgtgac	ccagcactct	gggaggcaga	gggggatgga
26161	tcactagagg	tcaggagttc	aagaccagcc	tggtcaacat	ggtgaaaccc	tgtctcctct
26221	actaaaaatt	caaaaattag	ctgggtgtgg	catgagcctg	taatcccagc	tactcggaag
26281	gctgaggcag	gagaatcact	tgcacccagg	aggtggaggt	tgcaagtgat	cctgatgggtg
26341	ccgttgccact	ccagcctgag	cgacaagtgt	gaaactctat	cgcaaaaaaa	aaaagcaacg
26401	cttatgattg	atcacacact	gtactttcta	acctgaaggg	gtctggtaaa	atcaacttgt
26461	cttctcaagg	gacagtacca	aactgggggc	tcagcactga	cctctgctgg	catgtcggac
26521	atttaaaagt	ggtagcagct	agagcagctc	tgaagacatg	gagccctcac	tgctggggcc
26581	gagcactgct	gggttcaatt	ctgctaccaa	ggcttctcca	tttccgagcc	catggtgcag
26641	gcactggggt	gcctaagagg	aagtgcacta	actggacttc	tgctatgcac	cttctttagg
26701	gggcattaaa	gcacagttca	aagactctca	catttttagt	taacccccac	aggcctgtgt
26761	gccccttctc	cagtcaggtc	atgttgtcat	ttgactctag	ttattatttc	gaaaggggtc
26821	aggaagggag	gtggggacag	atcttGRaa	gggcaaacat	tgcttctgat	gcctcatctg
26881	aggcttccgc	atagtccttag	gggactggga	accgtcttaa	gtgaatctca	ccttcttccc
26941	ttcccccagc	caggccctag	ccctactggc	atgaggaatc	ctatctcttt	gtcctcatgc
27001	caggagacca	gcaggcaaa	agagcagtta	ccatactgga	aggagaaatg	ggtcctgggtc
27061	atcagaagga	ggtactcctc	aagggaagct	acctgagggg	gacacttcca	ctagggaaca
27121	cagcaagaat	cctacttaac	taaactctac	gctgccgcct	gctgctacag	ttggtccttg
27181	gctgtacttt	gtagtacaag	gcgaagttag	ccactgctgc	cagcccagga	ggtcaagggc
27241	atttacccag	acatcctcat	tcccagtttt	tgggtccctt	atcttccctc	tcaggatcta
27301	atgactcatc	tactggcact	aggagtccaa	aatgaccaga	tggcagactc	gcttaggctg
27361	agaattcttc	cttctctcaa	attctgccac	ttttaccagc	ccagtctgcc	tctgctgtag
27421	gagatgagag	gctaaatgtt	ggcagggagg	ccccctgatt	ctgatcctgt	gttttaaatc
27481	gataattagt	cYgaccctgt	tactttctcc	cttcagtgca	tcaacgggag	gctcttagca
27541	acagcctccc	aactctacct	tctgtataga	taatattttc	ctcaaagctc	ctaaatgcta
27601	gagacattgc	accagctggY	gtgtccccat	ccacctgtat	ctgatcccag	gtcaccacag
27661	gtgaaggtct	gagcaatYga	actgtctacag	caggccaggt	accaggactc	tcaRcacgcc
27721	acttaacacc	aataatgagg	tcctcatggc	catttggcct	gcagtgaagc	aacaccagaa
27781	tcccattccat	tctgggaccc	ctcctgtac	taacggtctt	cagtcagggt	ccccagagc
27841	agattatgca	aatgtgttat	tgaaaaacgg	ctttcagatg	aaacctggaa	gacagtgaag
27901	gccgaagcta	gggcagggaa	gaagccaggc	acagacgtgg	gcttagcaga	agtctagcat
27961	cagcctgatc	ccctgggcag	tactggagca	tggatggcac	cacaggttac	catcttgaga
28021	cagaaggact	ggcttctgta	ccctgaatca	gtaagccatt	ggtgggccc	aagccaccct
28081	taggggagga	cataacctca	caggcatttc	ctggctggac	gaccctgggc	agctgagggc
28141	aactgcctga	agggcacaa	ggtagccat	tgctagctaa	cctcacagca	gcagagacat
28201	ggggccaaca	gcctataaa	agggctctgg	caggctgtca	atactctcta	ctgtaatact
28261	gtatatgtgg	tttattttta	aaactttttt	agaaggcttt	attttatttt	attttttgag
28321	aaggagtttc	gcccttgttg	cccaggctgg	agtgcaatgg	cgcgatcttg	actcaccaca
28381	atctctgcct	cctgggttca	aggaattctc	ctgcctcagc	ctcccagta	gctgggatta
28441	caggcgtgta	ccaccatgcc	cggctaattt	tttgtatttt	tagtttctac	atgttgccct
28501	ggctagtctt	caactcctga	cctcaggtga	tccgcccacc	tggcctccc	aaagtgcctg
28561	gattacaggc	gtgagccacc	gcacccggct	gactttattt	tttttagagca	gttttagggt
28621	cacagaaaaa	ctgagaggaa	ggtacaaaga	tttcccatat	atcccctgtg	ctcacacatg
28681	catggcctcc	ctatcaccat	ccccaccag	agaggcacat	ttgttacaat	ggatgaacgt
28741	atacactgaa	tatatcatat	tcacccaaag	tctgtagctc	acatcatggg	tcactttggc
28801	tgttgtacat	tccttggatc	tagacacttt	tataatgaca	ggtacagtag	ttccccttta
28861	tcctcagggg	ctacttccaa	gatccccagt	ggtgcccga	aaccgcagag	agtgccaaac
28921	ttgactgcca	tcagtgggaa	tatgtttcta	ttcgcttccc	accaccaccg	gtttaacgcc
28981	tttttcatct	tagtgctgct	gcgtaactt	tggcagtttg	agatgcgaca	gcaaaatgag
29041	tacaaatttc	tttctccttc	ttcacaatgt	catggacaga	tgattccttc	ttaccataga
29101	tcttagcaac	ctcgggtgtg	gatttttttt	ctttcttggt	aaatcaactt	tcaccttttc
29161	acttaaagga	agcatttgac	ggcttctctt	tggcatatct	gaatttccag	catcacgact
29221	gtgcttttgg	gccattgttt	gtttatttat	ttattttatt	tattttattt	tttgagacag
29281	agtctcgctc	tgttgcccag	gctggagtgc	agtggcgtga	tctcggtcca	ctgcaagctc
29341	cgctctccag	gttgacgcca	ttctcctgcc	tcagcctccc	gagtagctgg	gactacaggc
29401	gcccaccacc	aagcgcagct	aatttttttt	tttttttgta	tttttagtag	agatgggggt
29461	tcactgtggt	agccaggggt	atctcgatct	cctgacctcg	tgatcctccc	gcctcagcct
29521	cccaaagtgc	cgggattaca	ggcatgagta	ttttatttat	ttattttatt	tttcagacag

FIGURE 3-I

29581	agtctcactc	tgtcggccag	gctggagtgc	agtggcacca	tctcgtcac	tgcaacctcc
29641	gcctcccagg	ttcaagcaat	tctctgcctc	aaactccgga	gtagctagaa	ttacaggtgc
29701	acaccaccac	gcccggctRa	tttttgatt	tttagtagag	acaaggtttc	accatcttgg
29761	ccaggctggg	cttaaactcc	tgacctcagg	tgatccaccc	acctcggcct	cccaaagtgc
29821	tgggattata	ggcgtgagcc	accgtgcttg	gccttggggc	cattattaag	taaaataaga
29881	gtcacttgaa	cacaaacact	gtgatcctaa	cagtcgattt	aatcaccaag	atggctataa
29941	gtgactaagg	ctggcggggt	ggggagcaca	gacagcaggg	acacctgga	caaggggata
30001	attcgtgtac	caagcaagac	acagcggaag	gcgccagatt	tcatcgcact	actcagaatg
30061	gcatatcatt	taaaactcat	cgattgttta	tttctgtaat	ttttccattt	gatatttggg
30121	cagcagttga	ctaagagtaa	ctaaaacctg	gaaagtgaag	cagtggataa	gggggtgctc
30181	ctgtacttct	caatgtgaga	catttgccct	tcattgtta	tctgccccat	tagYtctaca
30241	caaatgaata	gcaggaaatt	gattttaaac	cacatgggtg	taaaatgctt	tcttttttct
30301	ccctcattta	actaaagaag	ggctggggcc	taggtgatgt	cttccttagc	atctaagcag
30361	ctggcatcac	cccactgctt	ctgtgctcca	ctctcccatg	ggaccctccc	tacctttaat
30421	ccctcctgtg	ctggaggccg	ggctctcctt	gctagtggta	gctctttcca	tatttttaat
30481	ccatgggtccg	gatcctgtct	cactgccttt	gcttttagaga	aataaacatg	aattattgag
30541	cacttgggaag	aatgacacac	gcattcctcc	cccaccagtt	ggagtaacgc	tgccccacct
30601	agtgtatctc	tgggtctaggt	ctcgaggacc	tgtgtctcct	ccctcacctg	tagttgaaga
30661	cctgcctcag	gtcagtaggt	gatacgcagt	aaggaaatgt	ccaaaggaca	cttcttgttg
30721	gattacacag	caaacatcta	attggctgca	aatctttttt	tcttttttct	tcttttttct
30781	tttgagacag	agtctcgtct	tgttgccag	gctggagtgc	agtggcgcaa	tcttggctca
30841	ctgcaagctc	tgccacctgg	gttgacgcca	ttctcctgcc	tcagcctccc	aagtagctgg
30901	gactacatgc	gtgtgccacc	acaccagct	aatttttcta	tttttagtag	agacgaggtt
30961	tcaccatggt	ggccaggatg	gtcttgatct	cttgaccttg	tgatccgcct	gccttggcct
31021	cccaaagtgc	tgggattaca	tgggtcacaa	tcttaaaggg	ggaagagatg	aggaggaata
31081	atcccccttg	tcttctcaaa	aatgttttca	ctggctcact	acagctccct	ccttctctct
31141	tactgaccca	aaatgccaac	tattatagta	actcttttgg	gttagacgaa	tccagtgaat
31201	aaacacctac	taagcattgg	aggtccaaga	ggaataagat	atgcctgagc	taaacctcat
31261	caccccccgc	cttgcttgca	gagtggcttg	ctggcctcat	ctgattattc	aatgagtgtc
31321	ttcatttgtt	tattcactaa	atatttactg	agcacctaca	aaagtgcctg	gccctggtag
31381	atgaggcctg	agggaaagct	aaactaataa	gacaaactcc	atgccctaga	ggaattcatg
31441	gtctcatagg	gagaaaatgt	aaacacatca	taaaattata	gcttattata	tgtgcaata
31501	gagatctccg	taagagtgtg	ggggcagaga	ggagggggag	aaacagctgc	tttctagagc
31561	cctcaccttt	tccacttctc	tcattcttct	gggttagggg	ctagcggggg	ttccatgagg
31621	atcaggctaa	atgagcttag	aaaaactaag	cagactactg	tatcagaact	ggatcacagt
31681	agacaggcgt	tttcaacaaa	catatattga	gtatccctga	gtgctttgga	caggaaggag
31741	aatattagac	gaagatttga	agtcgcagta	atagatgagg	caaggagcac	cagtggaggc
31801	ttaaccctga	aagaagtgtg	agcacatctt	cctcccagac	aagggggaat	aaagaaagga
31861	agatgatcag	gagagttcta	agtggaaact	agcagccaga	ggggaaagcYg	gagggaggtaa
31921	catcagaggg	tgcgtttgcc	cactcagtaa	agtaggaggc	agggcagcct	tgtgaaataa
31981	ggaatgggaat	agaaagctca	agaaaacagc	caaaagcaag	ggcaattagg	ggaggtttcg
32041	aactggcaga	tctacctcaa	ctggcaatac	agcaagcatg	caccagaaaa	gatatacctag
32101	ctagcagtg	ggttgggaac	tgatttaata	tcctaggcta	gcagtggggg	tgSgaactga
32161	tttattattt	aattttttat	atctattcat	gtatttatgc	acttatttat	ttttgagata
32221	ggctctcgct	ctgtcacaga	ggctagagtg	cagtgatgtg	atctaggctc	actgcagctt
32281	tgacctcctg	ggctcaagtg	atcctccac	ctcagcctcc	tgagttagctg	ggactacaag
32341	cacgccacca	cctaggctaa	tttttgatt	ttttttgtt	agagacaggg	tttcccatg
32401	ttgcccaggc	tgggtctcaa	ctcctgggct	caagcgatcc	atctgccttg	gctcccaaaa
32461	gtgctgagat	tacaggcgtg	agccactgcg	cccagccaat	attttttaaa	aattggaaat
32521	cccttgtaat	aagccaagtg	ttgggggaag	aaaagcaata	aaagcaatga	catggactca
32581	atatgaaaca	tccaaagcat	ttgacatgcc	tttaaaataa	aaaaatcagt	actcacctcg
32641	tgctcatttc	aaactgtgga	tttcttggt	ctaaaatttt	aaaaacaaa	aaacagact
32701	ctcaaattta	agctaatttg	aattgaattt	acatagtgat	ttttaataac	acatatatgc
32761	ataaagagaa	tactataaaa	atatataaag	gtgtgtaggt	cttgatcata	tttcccagg
32821	aattcagaaa	acgtgctac	agtcctggg	ctcacgtggt	cctggcatcc	tccccacgt
32881	ctctacccca	tcctgctgag	tttctggcat	gcattgggtc	tgggtctgtc	caagtttcta
32941	ctgttagctc	cattaatact	gaattaaagg	ataaacagtg	ctcaaatgct	cattttttcc
33001	atgtgagccc	aaattatgtg	acttgatgag	ggaaaaaatc	atgagtcctt	gggagagcga
33061	taagaatcac	attctttact	aaagtgttgt	cccaggatag	agaataaac	cagatctcaa
33121	cctccagagg	ccccccactg	cctccacag	cataaaagcc	aaattcctcg	gccccgatatt
33181	tgaggccatc	tcaatctttt	ctcttcaacc	ctatacctga	ctctcccagg	ctaggctcag
33241	atcgtcactg	aatgtgctca	cttcgaggca	cctctgtgat	tttcaaggtt	cctgggcccc

FIGURE 3-J

33301	ccttttacta	ccgatgtgac	tgccacatgt	tgcccagttg	ctaggatggg	accgtggcct
33361	tgattttctgc	cgggactgag	gctttgcctt	gtttcccacc	caccctgctg	cctgcccctg
33421	cactcttctg	gctggggcct	gatctttccc	cgcagtctcc	cttcacctct	agatcacagg
33481	cagtcattgcc	acagctgagg	agcttgctcc	aaacctcagt	gcctgcctcc	ctcctcggtc
33541	tcttggtgctg	ctgtgtctca	cccatcagtg	aYgctcttct	cttccctgcc	caagccctag
33601	ctgactccat	aacacctgga	tacaatgtcc	tcttctgtct	ggttacctcc	gagaggccct
33661	ctctctacat	ccctcattgg	ctcccagttg	cattcctctc	acccatggcc	ctaaggtcac
33721	tgtattcttt	ggccagtgtg	cagggttatt	atgcttaaca	atccacaaag	gttgaaaggt
33781	gttgtaggat	gggtgtaaaaa	tgaactggg	tggtaatgtt	tatatgtcag	agctttgtaa
33841	agtgtctggc	aggcgtaagg	tactgacagt	cctgatattc	ctgatcttgg	aacctgggac
33901	accatcttct	caacattgcc	cggataccct	caagggatc	cagacagcct	gagtttgcac
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34741	acataaatca	tcaattggag	aaagaatagt	gtttttaaca	actggcaatg	gaaaaactag
34801	aacatcagta	tgcaaaggac	tgaactttga	tccatacctc	acaccacata	caaatcaaaa
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34981	tcttaggcag	gataccgaaa	acatgatata	tacagttttt	aaaattaaat	attataagaa
35041	ttaaagtctt	ttgctcttca	aaagtcactc	ttaagagaaa	aagatgccac	acactagaag
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35221	aaagatggca	aagaagcaca	taaagacatg	ctcaaccatt	agttactagg	gaaaagcaaa
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35761	agtgtattat	ctcttatgaa	attctaga	atgcaaaacta	acctatagtg	acagaaagga
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36901	gagtcagtg	tgtgacatca	gtgaaaatgg	tgagagaaaa	acccgtcccc	aaattctctt
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FIGURE 3-K

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37141	actcatcatt	tgcattatgt	atatccoccta	atgctatcta	tcccttcccc	ctccccccac
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40621	ctgtctcaaa	aaagaaaaaa	aaagaaaaaa	gaaaaaactg	ttcctgagga	agccaagata
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FIGURE 3-L

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44341	gaagggaagga	aggaaggaag	gaagggaagga	aggaaggaag	gaagggaagga	agggagggaag
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FIGURE 3-M

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44581	gtgagaaaac	aatgcttggt	gtgggcctgg	gtgccttaga	ccccagggtc	aggacaatgc
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45901	ccctgtctcc	accagcaagg	ctgcctttgt	catatgtctg	gttgaaagtc	caaatgagat
45961	gacctgtcct	tctctgagct	ctcttcaaaa	gacagtggac	caagatgagc	tgaggcgag
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46081	ctgaataaaa	acaccaaag	gaacaaatta	ttgaagggg	accaagacaa	agaaatctcc
46141	ctaagtgacc	tctagctgag	atcaatccct	atgatttctg	agttaatact	ggaaatatgt
46201	acttcattca	taattgattg	ggcattttta	taattttattg	tttatatgtt	gggcaaacctc
46261	taggtatctt	ttttaaaaa	gaattgactt	tacttctgaa	acattaaaag	aaaaacttca
46321	agagcaataa	actctagtca	tttctatggt	gtctatggcg	gttatctcta	gtttaatttt
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46501	acattccaaa	acagaagggt	ggataggtcc	atgaggaccc	tgagagaattt	tttacttcta
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46621	cctttaaatc	cattcaattc	ataatcaata	tcgacataaa	tagtgcaagg	aatatgtttt
46681	agtaaaggca	actggtagaa	gtagatactt	aatatttgcc	acataaaacaa	atgttatcag
46741	cacaggttga	gcattccataa	tttaaaaaat	ctgaaatcct	ccaaaatctg	gaactttctg
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46861	gtcaaaacac	agtcaaaatt	ttgtctcacg	cacaaaaatta	tttttttttt	tttatttttt
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46981	gcaacctctg	tctcctgagt	tcaagggaact	ctcctgcctc	atcctcccga	gtagcttgga
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47221	ttaaaatatg	taaaattacc	ttcagcttat	gtgtataagg	tgctcatgaa	cataaatgaa
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47761	aaacttgatg	taaaacttggc	tctgactttc	taataagcaat	acagagggaa	acatggtgag
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47881	attcctacta	agacataaga	aacatttctc	ccagtgatat	gttgtcactg	agcaacatcc
47941	tcaaccacgc	cctatgatag	aaagaggaac	atgttttagg	taaagctgct	tgtaagaaca
48001	catttgggtca	gtgtggaggc	tcagctgtca	aagtaattct	agaagaggct	aggatgatag
48061	gggaaggggg	aataagtcga	ggtgtacact	ctctaagac	ttgtgaagat	ggggtgacgt
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FIGURE 3-N

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48301	taccagcagc	tgaccatagg	gccccagca	taaaaacaat	gtgccagggK	tgggggttgg
48361	caatgtgatc	tctccctgaa	ctgaagaaaa	caggaggaag	tggtgaccag	caggagaYgg
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48601	aggcgggtca	cacaggtaag	aaaccccggt	ccctccccag	gcccaggccc	cagagggtgct
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49081	ttgatctcaa	ggtcggagac	cacgttgcaac	aaacctcttc	agatacgtgt	tcaccagtat
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51721	atccttatac	acaccctaact	cctactctgc	agtttatgca	tatcctcttg	aatcatgcat
51781	cagttgtcat	cagagacacc	ttggagctcc	aggggacagt	aacagcatca	tggctgggat
51841	cacagcaaac	cccatggggc	taagtttctg	agatccaggc	ccaagaaata	ccagcgtggg

FIGURE 3-0

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52021	aatgaaaaga	aaaaaaaaa	gaaggaaaaa	gtataatata	atcacaaagt	acaaaaacgc
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52141	cctgtaatcc	cagcaatttg	ggagcgggag	atgggtggat	cacgaggtca	ggagttcgag
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FIGURE 3-P

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59221	taacagctac	acatcatgca	gagcttctcg	ggctgtgcca	agccctccgc	atgtgtcta
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FIGURE 3-Q

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FIGURE 3-R

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FIGURE 3-S

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69901	tggccatatt	tattatttct	tttaggagtc	caagtagatg	agtgtttata	catgtgtcct
69961	tgtgtagaat	atatatatatt	attcttgtta	actattgatg	gattatctat	taaatggcag
70021	cctctcctag	aaaatgattt	gtttttctct	cataaaaaatg	gatgtgacaa	atgatccaat
70081	agaaaaaaat	gggaaaggac	acaaaaatagg	agattcacac	aaatattcaa	atggatatga
70141	gactcgtgga	aaaaatactc	agtacataca	ttcaacgaag	gcatatttta	aaagagcaac
70201	aattttcatc	tattagaata	ttaaacattt	caaacctcat	agaaagactg	gtaaatgagg
70261	gtgtggaaaa	accctcacac	aatattggta	aaatgtgtaa	atttgtgcaa	gctctttgga
70321	aggtaattta	gaaacatctc	accctaatgt	aaaacacgtg	ctccttggtt	cagtaaatcc
70381	acttctagga	atgttcattg	tttataatta	ggacaatata	acttcaacaa	caaccagata
70441	taaactggtt	acttaaatgc	tcatacaaaa	attatggtac	atgggccggg	catggtggtt

FIGURE 3-T

70501	cacccctgta	atcccagcac	tctgggaggc	tgaggcaggt	ggatcacttg	aggccaggaa
70561	atcgagacca	gcctgggcaa	catggtgaaa	ccctgtgtct	actaaaaata	caaaaaatta
70621	gatgggtgtg	gtagcgcatg	cttgtaatcc	cagctacttg	ggaggggtgac	gcaggataat
70681	tactcgaacc	caggagggtg	agattgcagt	gagccgagat	cacaccattg	cactccagcc
70741	tgggcaacaa	gagtgaact	ccatctcaaa	aaaaaaatat	atatatacat	acatatagat
70801	atagatagat	atatgtgtgt	gtgtgtgtat	atatatatac	atatatatgg	tacatacata
70861	taatgatgaa	ataccatgca	attgttaaaa	agaatgaggc	tgactaaaac	actgatatga
70921	cagaggccag	gtatttttag	tgaaaaaaca	aaacaagacg	tagacaagta	agcatagtat
70981	gactatttgt	gtaaaaaatg	aatgtgtatg	tagaaaatata	cgtaaaactg	tatatgctca
71041	gaaaatttat	gcaaagaaac	ttaacacatt	gttaaaagt	attgcttttg	gagagtggta
71101	ctgaaagcta	aagtatggga	aaggagaatt	tctacatctt	actctatacc	cttctacaat
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71221	ttaaaaatgaa	tgttactgga	ggtaatgata	tgtaaacctt	atttgataga	tataaataaa
71281	taatacaatt	cacatatatt	acagctcatt	attctttctt	ataatcattt	ttgtgtctat
71341	ttataaatac	ttgtataaga	caagactgat	aaacaagatg	taccacagag	gatgtaattt
71401	ccggaagtct	aaaactccca	aaaagttact	taaacatcat	actttactaa	gtcactgaga
71461	aagaggttcc	tatgcctttt	ataaatcacc	cggaaacaac	aacggtttct	atgtcgaag
71521	gaagtacagg	cctcaatacc	aatatgtttc	tacgagccct	ggcatcaagt	gggaccacag
71581	caacagttaa	gcattcatgg	aaaacctgag	tacaatcagc	ctcttatgcc	ttcatgaagc
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71701	gaaggcagaa	ataaccagga	ggtggacaga	agtcaagggt	attatccaaa	aatgatctat
71761	gaacttaaga	gactcttagg	agcttttagg	actctaatac	aggaaaaat	tcacatctct
71821	gaagggaaa	aaatcccttg	gtcatattct	ggattacagt	ttggaaaaaa	agctagaaaa
71881	tctcatccaa	ctgcttcatt	ttacctgttg	gagtgcaaga	gataaaatgc	caaggatagg
71941	aactccactg	aagaatgtag	gcaaatcaat	attcattaaa	tacattcaaa	ttaatatatg
72001	acttaaaaag	agccctcaca	tcagtgttag	gccattgctt	ttccttgctt	ctcttgtttt
72061	cctttcaaat	acctttataa	aataggagaa	aatgtatgac	tctttttttt	tttttttttt
72121	ttttattata	ctctaagttt	tagggatcat	gtgcacattg	tgacaggttg	ttacatatgt
72181	atacatgtgc	catgctgggt	cgctgcaccc	actaatgtgt	catctagcat	taggtatatc
72241	tcccaatgct	atccctcccc	tctccccga	ccccaccaca	gtccccagag	tgtgatattc
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72481	atgtgccaca	ttttcttaat	ccagtctatc	attgttggac	atttgggttg	gttccaagtc
72541	tttgctattg	tgaatagtgc	cacaataaac	atcgtgtgac	atgtgtcttt	atagcagcat
72601	gatttataat	cctttgggta	tataccagct	aatgggatgg	ctgggtcaaa	tggtatttct
72661	agttctagat	ccctgaggaa	tcgccacact	gacttccaca	atgggtgaac	tagttttcac
72721	tcccaccaac	agtgtaaaag	tgttcctatt	tctccgcac	ctctccagca	cctgttggtt
72781	cctgactttt	taatgattgc	cattctaact	ggtgtgagat	gatattctcat	aatgggtttg
72841	atttgcattt	ctctgatggc	cagtgtatgt	gagcatttct	tcatgtgttt	tttggttgca
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72961	tttggttttt	tcttgtaaat	ttgtttgagt	tcattgtaga	ttctggatat	tagccctttg
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73381	cattgcttgt	ttttctcagg	tttgtcaaag	atcagatagt	tgtagatatg	cggcatttat
73441	tctgagggct	ctgttctgtt	ccattgatct	atatctctgt	tttggtacca	gtaccatgct
73501	gttttggtta	ctgtagcctt	gtagtatagt	ttgaagtcag	gtagtgtgat	gcctccagct
73561	ttgttctttt	ggcttaggat	tgacttggcg	atgcgggctc	ttttttggtt	ccatatgaac
73621	tttaaatgag	ttttttccaa	tctctgtgaag	aaagtcattg	gtagcttgat	ggggatggca
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73741	catgagcatg	gaatgttctt	ccatttggtt	gtgtcctctt	ttatttctct	gagcagtggt
73801	ttgtagtctt	ccttgaagag	gtccttcaca	tcccttgtaa	gttggaattcc	taggtatttt
73861	atttcttttg	aagcaattgt	gaatgggagt	tcacccatga	tttggtctct	tggttgctgt
73921	ttgttggtgt	ataagaatgc	ttgtgatatt	tgtacattga	ttttgtatcc	tgagactttg
73981	ctgaagttgc	ttatcagctt	aaggagattt	tgggctgaga	cgatgggggt	ttctagataa
74041	acaatcatgt	cgtctgcaaa	cagggacaa	ttgacttctt	cttttccctaa	ttgaatacct
74101	tttatttctt	tctcctgcct	gattgccttg	gccagaactt	ccaacactat	gttgaatagg
74161	agcgggtgaga	gagggcatcc	ctgtcttgtg	ccagttttca	aagggaatgc	ttccagtttt

FIGURE 3-U

74221	tgccattca	gtatgatatt	ggctgtgggt	ttgtcataga	tagctcttat	tattttgaaa
74281	tacgtcccat	caatacctaa	tttatgtaga	gttttttagca	tgaagggttg	ttgaattttg
74341	tcaaaggctt	tttctgcatc	tattgagata	atcatgtggt	ttttgtcttt	ggctctgttt
74401	atatgctgga	ttacatttat	tgatttgcgt	atattgaacc	agccttgcat	cccagggatg
74461	aagcccactt	gatcatgggt	gataagcttt	ttgatgtgct	gctggattcg	gtttgccagt
74521	attttattga	ggatttttgc	atcaatgttc	atcaaggata	ttggtctaaa	attctctttt
74581	ttggttgtgt	ctctgcccgg	ctttggtatc	agaatgatgc	tggcctcata	aaatgagtta
74641	gggaggattc	cctctttttc	tattgattgg	aatagtttca	gaaggaatgg	taccagttcc
74701	tccttgtacc	tctggtagaa	ttcggctgtg	aatccatctg	gtcctggact	ctttttgggt
74761	ggtaaaactat	tgattattgc	cacaatttca	gagcctgtta	ttggtctatt	cagagattca
74821	acttcttcct	ggtttagtct	tgggagagtg	tatgtgtcga	ggaatgtatc	catttcttct
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74941	tctgtgggat	cgggtgggat	atccccttta	tcatttttta	ttgtgtctat	ttgtattctc
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75061	aaccagctcc	tggattcatt	gattttttga	agggtttttt	gtgtctctat	ttccttcagt
75121	tctgctctga	tttttagttat	ttcttgccct	ctgctagctt	ttgaatgtgt	ttgctcttgc
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75421	cggctttgag	tgagattcct	aatccgtgag	tctagtttga	ttgcactgtg	gtctgagaga
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75541	tggtaaat	tgggaattccc	tgtcttatta	ttctaaagca	agcttgtcca	acctgcccgc
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75661	ttttttttt	tttttttagc	tcaccagcta	tcgttagtgt	taatgtattt	tttgttttgt
75721	tttgttttga	gacggagtct	tgctttgttg	ccaggctgga	atgcagtggg	gcagtctcgg
75781	ctcactgcca	cctctgcctc	ccaggttcaa	gcaattcccc	tgccctcagac	tcccagagtag
75841	ctgggactgc	aggcgtgcgc	caccatgccc	agctaacttt	ttgtattttt	gtagagatgg
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76021	tttatgtgtg	gccaagaca	attcttcttc	ttccagcgtg	gcccaggaaa	gccaaaagat
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76261	aattagccag	gcgtgggtgt	gggtgcctgt	agtcccagct	actcgggagg	ctgagacagg
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76501	gggagtattc	aagtaattaa	aaataacctt	tcagcaccaa	cagcaatttc	tgtcctgatg
76561	gcaatctact	cagagctaga	ggactgcact	taggatacca	aagggaagct	aggatgcaag
76621	agcagcctgc	actaatgtac	ctcgtcttag	tttacctccg	ggcactttgc	tttacctttc
76681	aaaacagacg	ccgcccttag	ctcattaaag	gggaaatgga	ggtataatgt	gttttaaagg
76741	gatgtttctt	ctctgaagcc	atatttcagg	gtagcatgaa	aacagagctt	tggatatctg
76801	gttccattct	acatgacacc	tcatgcttgt	ttcaaagtac	accacaacca	aggggcagga
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76921	gatttctctga	taagtttctt	ctttgttcat	gtgccctcct	ctgctcccc	tttgaactac
76981	tgcccctgtc	acccccctt	ccccgcctcc	ccgcccgttc	tcagttctcc	aatagggatc
77041	cagtctgcca	gaggtctatt	tttgtcatt	attgtcaaca	caatttgcca	tcaagagttt
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77161	acttttcaag	aaaccgaact	cagattttcca	ggcttctgtc	cttctgttt	catgctgttg
77221	actctccac	atctttgtct	tctcctaga	cctttgggtca	ctcttgagcc	cacattgcca
77281	atggtctata	tcattttcac	ctggatgcct	cccagacacc	tcagtcacat	caagttgaaa
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77521	tgggtgacac	ccacagagca	agcttttcaat	tctgtcatt	taaacacttt	agtgcactca
77581	tagaatctca	tccttctgag	atcttcttcc	caccagtcta	ttttgcagac	caccaggcta
77641	cgcccttcca	aaagctcctt	tgagatggag	tttactctt	gttgcccagg	ctggagtgc
77701	atggcatgat	ctcggtcat	tgcaactgcc	acctctcagg	ttcaaatggg	tctcgtgcct
77761	cagcctcccc	agtagctggg	gttaaagtgt	cctgccacca	taccagcta	aattttgtat
77821	taggggtttt	accatgttgg	ccaggctggg	ctcgaactcc	tgacctcagg	tgtctgcca
77881	cctaggcctc	ccaaagtgtc	gggattacag	gtgtgagaaa	ccacgcctag	tcccccaaag

FIGURE 3-V

77941	ctccatTTTT	atcctgtctt	cattctctct	tcaagaactt	gcccacagct	gccagagttc
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78061	aaaggtaaaa	ccagattttac	acatcagaat	ggggagaggt	gggtgggagc	taagatggaa
78121	tctgtaatTT	tcacaagtgc	cctggatgat	tctactgcag	atgggtctcct	attcaactaa
78181	atagcactca	tctgacccac	tccttttaga	ccccacttct	gttaagccag	tggtatcgct
78241	attttccact	ttctttcaag	ttctaatacat	ccttaaaact	ccaacagctt	cagctgaaat
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78361	tgtattgatg	ccctactatg	agcctggctc	catgataggc	acttgggata	gagaaatgta
78421	ccataatcct	gaccttaata	aatttagagt	ctaattggaag	agataaaaaa	aatcaatgat
78481	tccaatgagt	gtgataaggt	aaggctagtc	agaaaagtca	ggtgcagagg	aggggcaact
78541	aattaaacca	ggggttgggg	gagacactgc	caactctgtg	ttgagtgaag	tttaagcaga
78601	ggtttttctt	taagtaaaaa	atcagttttt	ttaaataaaa	agtttttttaa	aaagtaaggg
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78721	agtgtatgct	attctgtgta	ctggcaaatt	ctttggtggg	tgatatgggt	tggtctgtg
78781	tccccaccca	aatctcacct	tgaattgtaa	taatccccac	atgtcatggg	agggacccag
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78901	agtctcagga	gatctgatga	ttttataaag	ggcgggtccc	ttgcacatgc	tcctctgcct
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79381	ctatgtttta	gcaaagagcc	tgccagcatt	ttgccctgct	cctagagatc	tggtgaaatt
79441	tgaacttgag	agagatgatt	cagggcacct	ggcagaagac	acttctaagc	agcaaagcat
79501	tcaagatgtc	acttgagtgc	tgttaaaagc	attcagtttt	atgtattcac	aaagatatgg
79561	ttcggaaattg	gaacttatgc	tcaaaaggga	agaagagcat	aaaagttcag	aaaattggca
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80221	gcttggaana	gctgcagata	cccaacacca	gcccatacaa	gcaaccacaa	ggggggctgt
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81121	gaatcaggag	tactgaatgc	atttcttttg	cataagtgtt	tgaacagttc	gtgccaagga
81181	ctatcagttg	tctccacaca	attagaagta	gagtccttag	cattttgggg	tctaatacata
81241	ttaagcaacc	aactccagaa	acccaaaaac	caactaaaga	aatctatcct	tctgtaatcc
81301	cagcactttg	ggaggccaag	gcaggcgag	cacgaggtca	ggagactgag	accacagtga
81361	aaccccatct	ctgctaaaaa	tacaaaaaat	tagccaggca	tggtggcggg	cacctgtagt
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81481	tgagctgag	attgcccac	tgcactccag	cccgggtgac	agagtgaagc	tccagctcaa
81541	aaacaaaaaa	aaagaaaaaa	aagaaatcca	tccttaaaat	tctgttcttc	tagaacattt
81601	cccagtagca	aaatctgatt	aaaaaaaaaa	aacaggcaga	ggaaggtgga	aggactagat

FIGURE 3-W

81661	ctttctccag	tgctggatgc	ttcctgccct	ggaacatcag	actccaagtt	cttcagcttt
81721	tggaactctt	gacttacaac	agtaatttgc	caggggctct	ttggcacttg	gccacagact
81781	gcaggctgca	ctatcagctt	ccctattttt	gaggtttttg	gactcagact	ggcttcctga
81841	ctcctcagct	tgcatagccc	tattgtggga	cttggtatct	tggtattgtg	tgagtcaact
81901	ctcctaataa	actccccctt	atataattcat	ctatccattt	agttctgtac	ctttagagaa
81961	cactgactaa	tgccgtgggg	ttaagccaat	cgtctagtag	gttcataaaa	tgctaaaagc
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82081	tagaaaatga	attggaaccc	cagtttcttg	aaacccagtg	tttgcataat	accatgctaa
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82201	ctctgaaaaa	ttgcccagg	tctatggctt	ttgcaaaagc	agtactgttt	ctgctacttt
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82741	gggtttatcc	aggaagacag	gagtgccatg	aggagtaaac	tccagcaggg	gctggagtca
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83041	cctgagggct	cggtctcagg	aaaacatgtt	cttaagtttt	acatccttct	tctgttttga
83101	ttaggtgttt	cctgattata	aaataaattc	ctagaactgt	taatggtaac	aacacaaagc
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83461	caataaataa	tgacaatgta	actttgtgca	tatagcactt	taagagattg	atcataaaca
83521	caatcctatt	aatcttaatt	caagtttaata	atgcttgcat	ttgtatggca	ttttaggtat
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83641	aagtgtatag	ttcagtagtg	ttaagtacat	tcacaatggt	gtgtaaccat	caccactagc
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84361	gatccattaa	atccctaaca	agaactcctc	tagggcagat	gtcctgtcct	attcatcctt
84421	ggccccagtg	tcttgcaagc	aagtgaattc	tcaataagtg	ttaattgaat	ggatggttga
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84841	gacatgggtat	gagagatgtc	tggtatacca	aggagattcc	tagaatacag	cggataggaa
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84961	ccaagtaact	cggtaatctt	cagtaaagaa	aagaaattgt	gaaacaatta	tagtcagctc
85021	tccatctctg	taggttccac	atctgtggat	tcaactcacc	tcatattgaa	aatattaata
85081	aataaataaa	taataacaat	ataacaatta	aaataatgca	aatttttaaaa	gcataacaac
85141	tatttacata	gtatttatat	tgtattaggt	attataagta	atccagagat	tatttaaaac
85201	atattgggag	gtgtgcatag	gttatattgca	aatactacac	cattttacat	aagagacttg
85261	ggcatctgtg	gactttgtta	tctgcaaggg	tcctggaacc	aattcccat	ggatactgag
85321	ggtcaactgt	accaagttga	aaacaaaaca	aaaggaaatc	tattgcaaaa	aggaaattcc

FIGURE 3-X

85381	caaagataaa	aagcatgtct	atgaaatagt	caaagagccg	aaaatgttgg	gaagacccac
85441	actgctttcc	ctgccctgtg	cccctttttg	cagatctatt	tgtgtcttta	tctaccagca
85501	gatattctat	tatttctaata	gattcctgtt	tttcccaaga	gggtttactt	atattataaa
85561	tatgatgcaa	acatctctct	cagagatggt	gctctctctt	cctaggattc	cttagcccta
85621	aatctgcaga	gccaatagg	tattaatatt	gggctttaca	actttggacc	atctgaccac
85681	caagactgat	tcattaaatg	tatatggttt	cagatcacat	taatttatca	tagactttag
85741	aattggcttt	ttagaagtac	tgctataagg	aaaatctcag	catagcaagt	tttatctaat
85801	agtctacttg	tattaaagag	tactcaatgt	aaaccctagg	aagactttta	actgcctttt
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86641	tgtatgcttc	cgggagtgtg	gagtgtgtgt	ctgatctgct	gctgggaaaa	ggagaagaaa
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86761	gttgacagca	cagctctact	ggaccaggga	gggtcccagc	cagcagggcc	tgccctccg
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88861	ctaaatctgc	tactcctctg	ctctttctgt	gccttatcta	tccctgccga	gtctaacatg
88921	cagatttttg	tcattccaaa	gtcatctaca	gatctaatac	cagggtctct	tgcttaccag
88981	ctgctacttg	gataaggaaa	gcatgccaac	acggctctct	ttcttcatgc	tgccaagtc
89041	agcatcatta	ttattaccta	agtttatttc	taacacatct	caatatcttc	atgcactccc

FIGURE 3-Y

89101	tcttgataaa	agtaactgag	catagcacca	tcaataccat	caaactctgtc	attctctttcc
89161	cctctctctg	ggtgggacag	gaagccaggc	tgctctagga	aatcttccct	aacaagcaaa
89221	ggggacttgc	ctgtcctctc	gcatgtgtga	tctgagcttg	tgtggatccc	agagtgggca
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91021	cataagtggg	gtgaccagaa	accttttaac	aagacccgcc	tgagcctgcg	ttagagctcc
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91561	cgggcccagc	gaggtctctg	gaggagaaga	gtggcgagga	ggtgagggca	cgccggccct
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91681	gctggcgtgg	acaccggatc	ggggcccggc	gccctggccc	ggaccgcgca	cgcccagcgc
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91801	gaaagcgcg	cggagaagga	ggctcgtccc	ctccccgaaa	cgcttctgtt	ccctccggcc
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92041	aacgcgcgcg	ccaccaattc	ggttgccggc	cgggggcccc	aggcttgcgg	ccaccgcctt
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92161	aacctgagaa	cgctttcggc	gagttactgg	cgggggaaat	ggggacaggg	aagtgggcag
92221	gcggggagac	tgacgcccga	gatctccctg	gcggggaggt	cgtggccact	ctttcctttg
92281	actctgcctc	atttcatttt	gaatcctgat	gtgacagagg	caattgcttg	cttgataacc
92341	atataggtaa	aagtaacagt	tttcaactcg	actcttgact	acaccctgta	cattcttggc
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92461	agtggccgat	ggtggccctga	ggctcatatt	tatggtaatt	atctgatgaa	agtatatcca
92521	tcagaattgg	atgtgtgcgt	ctgtgccttt	attttgggaa	accttgcttg	ttccctgtgg
92581	gggatgggag	aggaatgtga	aaagccgaag	ttgacccaga	aaaggtatga	tgaaggtagt
92641	tgtattaagt	ggtggcaccg	aaatgatctc	acctgaact	ttctgaaagg	gtgattagt
92701	atcagcagca	gacgttataa	ctttctcaaa	ataaatttat	ggtagatttt	ctatctggtc
92761	acaagtggag	aggtgaaagc	tgcttttttg	ggccaactct	ttgcttttaa	agcaagctaa

FIGURE 3-Z

92821	acgcaatacc	agaaagggtt	ccattctgta	cttaacctgc	ttgtccttct	cactcttcct
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92941	ctgacccttc	ccggccctgc	aaggctctaa	ggtagaacca	gtgttatcac	aggaaaggcc
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93241	aaagaaaact	ttctaattct	caaaaataga	acagcttgaa	taataactca	tgggttttga
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93361	cattgtaaag	ggtccagttc	tttctgaggc	ccaattgcac	tagaatctgc	atttcagaac
93421	acaggaggta	tcaggaagaa	actgggagaa	attcagaggg	aaattgtctc	ttctcagagt
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93541	ttgaattttt	ataatacatt	atgccctttc	tgaaatattt	ccatagccat	tattttaatg
93601	cattgttaga	ataaccttgt	aaggagagga	attcattgta	tctgtgttcc	agaaactgag
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93721	ccagaacagt	gtaaatctag	aattactttc	cttacgggat	gcaatatcta	attattatgt
93781	attagtttac	atatatatag	gggatgttaag	aatctttata	tttaaaggat	aagaaacttg
93841	atcaggtgag	atacaagatt	tgaataaaaa	agcgattttt	tagaaacatt	ttaattctac
93901	aaattcagtt	gctggctttg	atatgttaact	tattcagatt	tctcttccat	agaaggcttt
93961	aacactagaa	gccagttctc	ta'caaaagag	aatgttctac	caagtgtgta	ggcaacaag
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94081	ttgactcttt	tgctcctttc	ctataacttc	ctataacttt	ttcatagtgc	tctaagcaaa
94141	gtaagttcaa	ggatggactc	acctcaagtt	tccttctctt	actttagagg	accatataat
94201	cttataacctg	tgtcatccta	attgaaatgt	attttaagtg	cttgtgggaa	caagaataac
94261	ggaagaccgt	tattccatta	atggaataat	ggggaacatg	agaaggacca	tattcagatc
94321	attagggatg	atacttctgc	ctcaacagta	tttgcgatgt	gttaaatggc	ccttagccat
94381	cagatcagta	tttttaaaaa	ctcctaccta	attaatgttt	tttgagaaga	agcatattat
94441	gagtatagct	cagtattcta	aaaagaaaaa	aacctgaaaa	aaaaatcagc	catccattaa
94501	ctaaccatc	ctggtaaaag	tacacaaaca	gattctagag	aaaggaaatt	tgcaacatg
94561	gaacatctaa	tctggactga	cattgtcaac	aagttatctc	aaatgatcct	gagaaaaac
94621	tgttacatgg	tttagagaca	agtcgagctc	atgtgactag	taaatggaga	ggcacagtat
94681	acatctactt	ttgttggcat	ttaaacactc	tcggcttttt	tactctcttt	caccaccatc
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94801	tgaaacatct	ctgaagtctt	tttagcatcc	tatcctgccc	atggcctact	acacagtatg
94861	tgataagtta	atgtttgttg	aattagttaa	atatacgtat	taacctactt	tcagggctgc
94921	ccgctgtaat	gcctagaata	gggcaggcac	ttaataaatg	gtagttaact	tagactataa
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95701	ttgaaatgct	ccttgcccta	ctcctccctt	ctccttttct	ttctcccatc	caagtactaa
95761	ccaggcccaa	ccctgcttag	cttctgagat	cagccaggat	caggtgcatt	cagcggggta
95821	tggctgtaga	cttctctttc	tgagctgtgt	cttctcctt	tcctcccaa	ccccacattt
95881	gaattctgtt	ctagctcctg	ctcatttgcc	acctctccca	caaagccttc	cccagtttcc
95941	atcttctccc	tgcttccctc	atctcagagg	aaagctcttc	attcacagag	cacctgggtt
96001	ggggtccata	gtttgttgte	cctcagtatc	cttggggaat	tagtcccagg	acaccacccc
96061	cccgcccctg	atatccatgc	atgctcaagt	cccttatata	aaatggtaca	gcatttatat
96121	tataacctat	gcaatattcc	catgtactct	ttttttttat	ttttatgtgt	ttagagatgg
96181	gtctcactct	gttgctcagg	ctagatgca	gaggcatgta	gccttgagct	cctgagtcac
96241	atgatcctcc	tgccctccgc	tcccaagtag	ttgggattac	aagtatgagc	taccacacct
96301	ggcccatgta	ctttaaatca	tctctagatt	acttataata	actaatgcaa	tataaatgtc
96361	atgtaaacaa	ttgttacacg	gaattgttta	gtgcataatg	acaagaaaaa	aatgtgcagt
96421	ttcagtacag	acacgacctg	aaattttttt	ttcaaatgtt	tttgatctgt	agttgggtga
96481	atctgaggat	gcggaaccca	tgaacgtaca	cgaccaactg	catatgggtt	tctaataaca

FIGURE 3-AA

96541	gatttgtgga	tgaagccac	ccaacataat	gcaacatttc	aaatgtatct	tagtcagttt
96601	ttctggggca	aagccagcct	aacaaatctc	aagaatgttt	gaaaaattct	agcttgagtg
96661	aacgttggtc	ttctagtgc	tcaataaag	cagtcattgt	gtctgaggag	tcctagtggg
96721	gtggcagggg	tggggctagg	agtagtggt	gtttgtagca	tgttttatat	cacattaaag
96781	ggctgggtat	gcattttagg	caataattct	tactcttatt	gataggagaa	cttgatittt
96841	ttattcatct	accttatgat	ggataactgg	tttacatctc	ttcatcaggt	ttacttctta
96901	cgtgtcattt	tatgagctga	ctttgaatat	atcttcagat	tttccctgcc	tttacacatg
96961	aaaacggttt	tgatacagct	ttttcattag	agaatggcag	cttttccagg	ccagggtgtc
97021	tgtgtctgac	tcctcgctt	tcattttacc	caatacttgc	ttaaaacatc	ctccctgagt
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97201	aaaggacaca	gactgatgag	gtcacttctg	cccactgtct	agtactagt	agaccaagaa
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97921	ttgtttcaaa	ttttgcataa	tcaaactggg	tactgggaat	tattgagttc	atataacttc
97981	cctaaaatct	aagaataatc	tataatccca	tgccaccagt	cccgttaata	aagacttagg
98041	gtctgtcttt	acccatttgt	tcatttgaaa	ttccccgtct	ttacttcccc	cataaccagg
98101	aaacagatct	acacccatgt	ttactttata	aagagatata	agttagttta	cataggtgga
98161	gatcttgtac	ctggattcac	attgtagggt	ttattaccca	gctttcccct	ctatcccaaa
98221	gccatgattg	ccatagtggg	atttaaagtc	tttgactaa	cactgaatca	agaactaact
98281	ctacaaatgt	attctctgca	ggaggataag	aattccaaat	ggcttcta	tggtgcccat
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98461	atatctaagt	tttcacctta	aaatgtgagt	tataaattca	catttcacat	tgctccttc
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98581	accgattatt	gtaagtaatt	tattaagaaa	aaatctagga	agatcaaatt	atagcttttc
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99301	gtgtttttca	gctatgtaga	acacaatcca	ttcatggttc	agacaaccgt	tttaggaggt
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99481	atattatata	tatatatacc	aaattaaagt	atcataatac	taatacaagg	attagtatcg
99541	ttttatgata	ctttattata	tacactaagg	gttagtcttg	ttttatgata	ctttattata
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100141	acagagcctg	ggagggggag	atttagcatg	gccgctgaag	agactgggaa	aggggaagg
100201	ttcgggacaa	gttcaggaa	agtcacgtag	cactgaaaac	tgctcaaagc	tagatagtc

FIGURE 3-BB

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100381	gtgtccaatg	attctgcata	tgaaacgggg	gaggtgtgtg	aggaagaaag	gtcaggagac
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101701	cgtcctcagg	ccctcctaaa	atcctgacta	atccaacccc	caccgatttc	tctactagtc
101761	ccagagactt	ccctcttgtg	cctgggggtg	gtgtcatgca	gacacactgt	accttaccag
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103741	tccctttgat	ccctgagatt	ccaaaggtta	ctttcctctt	tggtcccttc	ccagggtcaa
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103861	gtatgctggc	ttaaaatctg	ccatcaagaa	ttctgttacc	ttgctttaag	cctccagttc
103921	cttccagatg	tatggtggag	gaggccagag	ggcccttgtt	ttggggcttc	agaggatggt

FIGURE 3-CC

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105541	gtagccaggc	cacaggactg	ctggtgtaaa	gaccagggca	tatgaaatgg	caagtgtgac
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105721	ctctgaagga	gttaaaagag	ctcagtttgt	ctcgtgggtta	aatccaagtt	ttacaaaggt
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FIGURE 3-DD

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FIGURE 3-EE

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FIGURE 3-FF

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117121	aaaagattgc	tgatcacaga	tcactgttac	aaatacaaca	attggctggg	catgggtggc
117181	cacgcctgta	atcccagcac	ttcgggaggc	cgaggcgagt	ggatcacgag	gtcaagagtt
117241	caagacagc	ctgaccaaca	tggtgaaaac	cgtctcttac	taaaaataca	aaaattagcc
117301	gggcatagtg	gcgcattgtc	gtagtccag	ctactcagga	ggctgaggca	ggaaagtcac
117361	ttgaacccgg	agggtggaggt	tgagtgaacc	aagattgtgc	cactgccttc	cagcctgggc
117421	gacagagcaa	gattccgtct	ccaaaaaaaa	aaaaggaggg	ggtggcaatg	agacagggaa
117481	tgctctggg	tccaactccc	ctcacatagc	cccaaccccc	atatccacc	cacaaacctc
117541	cacctcccca	cttcagcct	ctccagtttc	aaagtgcgc	ttaccaacac	gcaggctctc
117601	caggagcacc	ttgaaaggta	acttcttaca	tctttccaaa	acactataaa	tctaattggt
117661	ctttctcccc	tatattttga	agaaatgcat	gctctcaaaa	ttgaaaaaaa	cgccataggg
117721	aattttgtaa	aaaaattata	tttttccagt	ttctccaaag	gacatataaa	ccctttttaa
117781	acttagattt	tgaaaagtcc	caatagctga	ttttcaatcg	attattgaaa	ttgttttttt
117841	tttcttcctt	aaaggggaga	taccaacctt	tgaacaaaat	taaattaaact	ttccccaaa
117901	gttaaatgat	tttactttgt	gatttttagga	atgtgtagaa	agtgatttca	gttccaactc
117961	ttttaagca	agggtatctg	ggccaggcgt	ggtggctccc	tcctgtaatc	ctagcgcttt
118021	gggaggccaa	ggtggggcag	atcacctgtg	gtcaggagtt	cgagatcagc	ctggccaaca
118081	tagagaaacc	ccatctctac	taaaaacaca	aaattagctg	ggtatagtgg	tgccgcgctg
118141	tactcccagc	tactcgggag	gctgaggcag	gagaatcgct	tgaacccggg	agacggaggg
118201	tgcaatgagc	tgagatcacg	ccactgcact	ccagcctggg	caacagagtg	agtctctgtc
118261	aaaaaaaaaa	aaaaaaacaa	acaagcaaac	aaacaaacaa	aaacaagggt	atctggtaat
118321	ttaaagtgaa	agtattattc	actattataa	tcaattttct	taaaaacagg	agctattagg
118381	cccaattctg	aggagagaaa	aaaaagcaga	tttcaagggc	ccgtgccacc	ttctttgttt
118441	aaagcataga	gaatgataat	aaaatgttaa	aggttcagca	ttttctggca	ttgttaattt
118501	aatttaattaa	ttatgtaaat	taattatgga	aatgagaaat	aaagtgaaaa	ggtatgtcaa
118561	gtaagaatca	ataattatca	aaacgttctc	taccaaattg	gatgcagggg	agaaggggtga
118621	gaagaaggga	aggaaataaa	ggcaaaggca	tttgcccaca	gcctcagtc	agggtgttct
118681	acatgacgca	gcccagaggt	aaaaataact	agccacagga	atgagtggct	ctgtcttctc
118741	ctccagaact	gacggggcaa	agagggggaa	cctcaccttt	tttttttttt	tttttttgga
118801	aactcactgg	gttttgatat	ggagaacagg	aagagaatct	accctagcag	cacattcaca

FIGURE 3-GG

118861	gatggtttgt	ctgccctatt	tgctccatct	ccctggctct	tcctagcact	tcttttctta
118921	ctttccattt	tcattggccg	caaaagccac	ttaaatattc	ctttggaaaa	ctgggcagtc
118981	tgtccccttt	ttaaaaccac	aactatttcc	aggagagtta	aagggctttc	ggactgcccc
119041	tcattcatgc	attgtggtga	actagctcag	actgcctcta	cctttagtcc	agatcagctg
119101	ccttggggagg	gcgattcctg	gaggaaagga	tgaggagagg	aaggttttag	gacatcgat
119161	ggactgaagc	cccgttggag	gggaaggcca	ggcttgagga	acaagcctca	gtgttcctga
119221	ggctttgtgg	aaatgagaaa	tgaatagaga	aagataagag	actggatcct	aaatgcaatt
119281	ttgcctattt	caaaaattttc	acagggtcct	tttttttttt	tttttttgag	acaaggctct
119341	gctcctgcac	ccaggctgaa	gggcagtggg	gtgatcatag	cttcctgaag	cttgacgctt
119401	cgaactcctg	agctcaagcg	atcatcctgc	ttcagcctcc	caaagcgctg	ggattacagg
119461	catgagccac	cacccccagc	ctcagggtct	ttttaatccc	taagatctta	aatttcccag
119521	ctactattgt	tagtaatgag	ttcaatttac	ttactgggta	aattggcctt	tattattatt
119581	attattttatt	ttatttttatt	ttatttttatt	tgagacagag	tcttgtgctg	tcgcccaggc
119641	tgtggtacag	tggtgcaatc	tcagctcact	gcaagctctg	cctccctggg	tcatgccatt
119701	ctcctgcctc	agcctcccga	gtagctggga	ctacaggcac	ccgccaccac	gcccagctaa
119761	ttttttgtat	tttttagtaga	gacgggggtt	caccatgtta	gccaggatgg	tctcgatctc
119821	ctgacctcat	cgtctggact	aataacttaa	acgctattgg	caatagtttg	ttacaggaa
119881	aaacatcttc	ttataaagct	gactgcaaat	gttttaataa	atttgcaaat	atgtaattct
119941	gtttaaaata	tcaggaagtg	agaaacatgt	tatgtgataa	ctctttccca	ttcccgaaac
120001	aagaaaatgt	aaaggcagta	agtgtgccaa	ggacactgaa	aggaagctgc	ccgtacatct
120061	ttgaatcttc	tcaggctggt	tggtttctac	tgattttaag	ctccatggat	aaatttcatt
120121	gtaacaattt	ttatgtctgt	aaatcttaac	ccataaataa	aatcacaaat	cagaaaagta
120181	ctttatttagg	ccagtctttg	tccaagcaaa	tttggtccca	aagctagttt	acaaataatt
120241	gccacacagc	tacaaggcca	gtgggttgac	tatcgtagca	tcaatgggtg	gggcagggct
120301	gcagcctctg	gggcagcatt	agccccact	gacagagggt	atagggtctc	ttaacaatct
120361	atgagacccc	ccacaacctg	gactcagctg	tcataagcct	ttacttctta	tgttcttctt
120421	aagtacttta	tcggggccaac	aaattcatcc	catgaggaat	ccaagatgga	aacgtcaaaa
120481	ctatcttttg	tatcatgctt	cctcccccta	ccttctctgc	cttgatcccc	tccttcattc
120541	tacacatttt	ctctgatagt	cgtgttctag	ccactaggga	gaacgtttca	gtcaatgggt
120601	atgattttctg	ctcacctctt	tttgccatag	ctattagtaa	gctctcacca	ctgatgtctc
120661	agctgactgt	gacaactgcc	agcggctggg	cagcctgcct	gccttcatct	aacctgctct
120721	ttactgtcta	ccagagtcat	cttcgtaata	cacagggtgcc	ctcctcctcc	tgtcaacatt
120781	ctcaaccaaa	agcctcagta	caatctctct	catctacctt	cccagcattt	ctgagccatt
120841	cccaggatag	cctaggccct	ttagacctct	gagatgttat	acccttctct	attctggaat
120901	gcccttcagt	gtcttaccca	cctttcagag	ttctatttat	tctttttttt	tttttagatg
120961	gagctctcact	ctgtcaccca	ggctggagag	cagtggcacc	atcttggtct	actgcaccct
121021	ctgctcccca	ggttcaagtg	cgtgttctgc	ctcagcctcc	tgagttagctg	ggattacagg
121081	tgcccggccac	catgcccagc	taatttttgt	atttttagta	gagacgaggt	ttcaccatgt
121141	tggtcagctc	ggtcttgaac	tcctgaaact	aggtgatcca	cccacctcag	cctcccaaa
121201	tgctgggatt	acagggtgtga	gccaccacga	ccagccttat	ttattcttta	gagttgaatt
121261	caaatgccac	ctcctttgaa	agccactcct	gatgtccttg	tgaggaattt	cttctctac
121321	cacattatat	attcctttta	ctgtagaaac	gtcattctgc	tttatattat	aaattattag
121381	aaatatgttg	tttcccccat	gaaagtttca	agtttctctg	gtttaggcct	gatgatacaa
121441	tcattttcat	atgactcaca	gcaattgcct	tagtatatat	taaattgagc	tgaataagcc
121501	atgtacccag	ttgaacacac	caaatatttt	agtgatgtca	tttctttatt	ggtgaaagag
121561	caaggccaac	gttgatctta	atgttattct	ctcttttate	ttattcagct	ccctcaacaa
121621	aaatacatte	tcatagatta	atgtaatcac	cacctcactc	ctctcaactt	tagaccctat
121681	actagcctga	gaaatccaga	tccaacttaa	tgagttctcc	tttatcccaa	gtcctcatga
121741	cctataaatg	taacctctag	gacaatgtta	caaagagtga	gatctttata	ccacctgcac
121801	tcttgtcacc	aaacgtgtta	gttaaaaatt	cagattctga	gtgtgggtgac	tcacgcctgt
121861	aatcccgaca	ctttggggagg	ctgagccagg	tggtgcacct	gaggtcagga	gttcgagacc
121921	agcctgggca	acatgggtgaa	accctgtctc	tactagaaat	acaaaaatta	gccaggcatg
121981	gtgcaggcca	cctgtaatcc	cagctactct	agaggctaag	gcaggagaat	cacttgaaac
122041	tgggaggcgg	aagttgcagt	gagctgagat	cactccatgg	cactccagct	tgggcaacaa
122101	agtgaactc	tgtctccaaa	aaaaaaaaaa	aatttagatt	ccaggaccgg	accctacacc
122161	tccttaatta	gaatctcaga	gagtggggcc	ctgggaatct	gcataattca	taaccttctc
122221	agagctctgg	tacacaagaa	accatgagaa	tctttgttct	ggaaacttca	gagaacttgg
122281	ctgagggccca	ccccaggatt	tggtggcgct	cctgaatctc	ccattagctc	tgacactgac
122341	tagacttcaa	atatcacaga	aggcaagcat	tgaagtgtgt	ttatattcaa	atagttttct
122401	tgttgagaat	cagaaatatt	aataaaactt	ttgggagtca	aagtaatgag	aagacaagga
122461	actgaacttg	ccccctgatc	tgttatcatt	tggcagtaag	gtacatatct	aacaatagga
122521	taattctgta	taagacctga	atctgacctt	ctttcatctt	tcacactgac	aattctgtct

FIGURE 3-HH

122581	ctaaacacag	gattaaatga	ggaactaaaa	ttcaccaaga	tccctgctagg	tgctcaggtac
122641	agtgcctagct	gcttccacac	atcttctcatt	taatcagcca	cctgtgaaat	tgctatgatt
122701	tatcaccatt	tggcagaaaa	ggacattttag	ggcacaagag	attaaaataag	ctgctgggtg
122761	ggtacattaa	gtattaataa	ataatcagat	agataagtta	ggtagttaa	taagctgcca
122821	gattagtaaa	cagctagttt	caaattcccag	ctccaacatt	tactagtgtg	atgacccttg
122881	gggaactca	acctctgagt	ctcatggcac	tgctgataaa	acggaaaaca	tcactctcac
122941	aaggttctga	ggactagggg	tggactcagg	tacacacagc	acccagtaca	atgtctggcc
123001	ttcagccagt	gatagcaacc	cttactcac	ctctccattc	ccttccagcc	cctgcattca
123061	aaaactttta	tttattttatt	tttttaattt	aggaggctct	ttgctcagaa	tcctgaaaag
123121	gcttttggtta	ctttattttt	tctttttttt	catcttcttg	gagcacagaa	taggcttctg
123181	ctccttttaa	taactttaac	aggcaccaaa	ggaacactgc	tagctctttc	ttaatctgt
123241	aggtccacat	ttaggaaaaa	gaaattgtca	gcctctgact	tatttccagc	ttacaaaaag
123301	gctgtgatgt	tggcagcccg	gggaaagcag	ttcccgtgag	tcatgttttc	acctttcagc
123361	cagtgaagaa	caggaaatag	tcacatcact	attgccaaca	agcacagcga	atcgcttcca
123421	ccaccgggct	ttcccagatg	acgtcagtga	gccaaagtga	gggcatcacc	cttgccagat
123481	ggccccggaa	gagtctcagc	tgccctgtca	agtttagctt	ctcaagctcc	ccagaaccag
123541	atagggcaag	atcacccctc	cagaaaaagga	aatgatttct	ctgatcatga	tcaaaccatg
123601	tcataatttt	agctgtaggt	ggtgagtatc	agtgactgta	ttatagatgg	ttttggttca
123661	cagctatttt	ttttctcggt	atatttactc	tcaagggcaa	aggggtggga	tttatcacaa
123721	tgctatgatt	cactctacta	gactggctgg	gtttcatttc	atctttgagt	tctagacct
123781	aggccaaaag	gatgtcagaa	tcgccaccaca	gagctagatg	catgctcaat	gcaacctggc
123841	catctctctc	ggacagtggc	cactaaacac	aagctgcaat	gattattggt	gatgttagtc
123901	aattgatttg	tccccctttt	aataatccat	gatccacaca	gacatgaatc	taaacctttt
123961	ttttgaacct	atctttttct	tactagtttt	cttacaatatt	ttggaataac	aatttccctg
124021	gttataatac	acaatgtgtg	aaacactaat	tgcatttatt	ggctcctaaat	tcattcccaa
124081	gtctaggatt	tggggattta	gtgcacaaat	ccactttctt	cctgctcatg	ttgttcatga
124141	ctttatggat	tctgcttaca	tttctctcca	aagccttggt	ctttctaagc	agaaatctga
124201	ccagcctctg	ttcctaactc	gcttctctca	ccacttgac	tgtaaataac	cactgttggt
124261	ggagaagctt	ttcattaaat	acgcaaacaa	atcaacaata	aggaagaaaa	caactgaagc
124321	acagaaggat	gattgtaaca	tggacttggt	cttggttaac	agtaccata	ctggttggtg
124381	agttgcctaa	atcacagagg	agatggcaac	ttaacaggat	gggtttggag	tctgaattaa
124441	ataaacaaca	tggcaaaaaga	aggaagaaac	caaaagtgg	gtgactagg	ctcttggtat
124501	tctactcaac	actttccaca	cctacaggcc	tctgattcta	tccccaccgc	tgctcctaca
124561	ctgtctatgt	ttctctttta	caacaacaac	aaaaaaatag	cacttggtta	ctgttcacaa
124621	ttattgaaat	aaatcactct	aatttggtat	cctttatatg	agaacttcca	tatgcttaaa
124681	actcccgtag	cattttttata	gtgtcacagg	cataaacatg	ttgtctgaag	atgggcaaa
124741	taggtcgtag	agataggaag	tgagttcaca	tcacggcggt	agtcaaggca	gcagcatatg
124801	agctcagggg	ccaaatctga	gctgtgatca	tgtgacacag	tcctcacctt	cagagatgac
124861	attctcccag	aagtccaggg	tgcagaaatg	gataggctga	tgttcacttt	tgaagaggac
124921	cacaatgaaa	cccttttaat	attactcaat	gattccacag	acctcctggt	gtttaaatca
124981	ggtagaatcta	tttttaaaaa	ttgtctattta	cttttttagg	tggtctgatca	ggacagtatg
125041	aaatttcata	cagtttctcta	acttgagaaa	acatgggtgat	gcaattcctc	caaccaggag
125101	ggatttatgg	acagcgggtg	ctacgtccta	atctgcccag	aatacaggat	gactaaacaa
125161	attggcaaac	ggacgcagct	ttctctctct	ctaagaaaag	tctgctgaga	accctcggtc
125221	ccactctggt	tctgcctcca	agaagaaaag	cctaaaactc	actttcttcc	ggactctttc
125281	aaggtcagtg	gagttcctct	ggggttcata	ttcagatact	ttggggattg	atgatggatc
125341	ataaatgttg	ctgaagttca	tttgagccca	tggcctctgg	tttcagaacc	attcagccag
125401	tcaaattattt	aaatttttagt	gaggcagggg	aaagggaacc	ccttcggggg	ctgctataca
125461	gcaacttata	ttcacaaattc	acaattaaat	acacttcagt	ttctaaatat	atgttacttt
125521	aaaattatac	agtgccttagc	aattttcaaa	ttttcatttt	gtgctcaaaa	tattttcagg
125581	aggtagctgt	tggtataccc	atgtgtacaa	gcaagaaact	gaggtttcaa	gaggttatgt
125641	tgcttaaacc	cagatctgcc	tgattccaaa	ccttatgctt	tttttaaaact	tctattttga
125701	aataattata	ttaagtcaca	tgaggttgca	aagaaatgga	aagtctcatg	tcccctttct
125761	ccaaacctca	tccaatgtta	acatctaaga	aattgacact	ggcacaatcc	acagagccta
125821	ttcaggggttc	accagttatt	cacgcacttg	tgtgtgtgca	tgtgtgtgtg	cagctctgtg
125881	caattttgtc	atgctctttt	tttttttttt	ttttgagaca	tagtttctgt	ctgttgccca
125941	ggctggagta	cagtggcaca	gtctctgtct	actgtaacct	ccaacttcca	gtttcaagca
126001	attttctctg	ctcagcctcc	tgagttagctg	ggattacagg	catctgccac	cacgcccata
126061	taatttttgt	attttttagta	gagacaaggt	ttcaccatgc	tagccagact	ggtctcaaac
126121	tccctgacctc	gtgatcttct	cacctcggcc	tcccaaaagt	ctgggattac	agcggtgaac
126181	caccgcgccc	ggcctgtcat	gctcttttta	tacatgaacc	atacactgtt	ctgccaattt
126241	taaatatgaa	ggcagattac	agaaataaat	aaaatgattt	ttcttttact	acaacagtat

FIGURE 3-II

126301	ctaccaataa	tcacatacat	gaccaaaatag	ctttcacttc	tagctgccgt	taagaagaaa
126361	gaaaaggatg	aaaagaaaaa	aaatcctata	aaccccagtt	cttgaaagca	ttagtctgtg
126421	ctatgtgcct	taggtacaga	ttaaggaaac	acaatttggt	gatttattga	taattgtgac
126481	agcaatcttc	cctcttgta	ggaagttcta	taagtaaaat	aaaggtaatt	ttaccttgac
126541	ttcaRattta	gtctcatcat	cttcttttcc	ccgggagttc	aactctgtct	ccgtataagg
126601	ttcttcagac	gttctcagag	gacgagctag	agggactaag	agaacctgcc	attagtgtgg
126661	ttattttaact	tataaactat	aactcagtcg	actttgtctg	atttggacaa	atagctggac
126721	cacgtcaatg	tggctaacta	taaaagctca	cttgagctgc	tgcgttgatt	tctagggct
126781	ggatgaaatt	ggaggtgaag	gagagacaca	gaggagaaat	agaatccttg	actccaggga
126841	cttgacattt	cagcagaaga	gaaaaaagtc	acacccagca	ccatatgaaa	cattaaacta
126901	caacaaatct	gtacatatag	caatgtggta	aagaatagta	gattttctgt	cattcccatt
126961	tttaaggccc	agctaaaagg	tcaacttttg	ctgggtttgg	tggctcacac	ctgtaatccc
127021	gacacttttg	gaggctgagg	cggtcagatc	acctgaggtc	aggagtctga	gaccagcccg
127081	gccaacatgg	tgaatcccg	tctctattaa	aaatacaaaa	attatccggg	aacagtggca
127141	agtgcctgta	atcctagtta	ctcgggaggg	tgaggcagga	gaatcacttg	aacctgggag
127201	gcggagggtg	cggtgagctg	agattgcgcc	actgcactcc	agcctggggc	acagagctag
127261	actccatctc	aaacaaacaa	acagacaaac	aaacaaaaag	gccactttcc	tcatgaagtc
127321	ttccatatta	caaactttat	ggattctttt	atgcactgct	gctttggcat	gcatcatgtg
127381	tacagcataa	tgttgcaact	gatgttggtc	ttggattcaa	agactaaatt	ctagggtacta
127441	cattgtattg	aatatatttt	ccattataaa	ggtaattaat	ttttgcttat	tacagaaatt
127501	ctgaaaaaca	ctaaactctt	aacgctgaag	gacaaatcact	tagtatattt	ccttacagtc
127561	ttctttcaaa	tgctctccct	ctttttacac	acatacatgt	acacacacaa	tcatactatg
127621	attgtattgt	aagaggatgg	ccatgcctgc	tgctcttgct	cttttctctt	ggccactcta
127681	tctcccttct	ccccacctgg	gaaatatcct	ttcttcaagc	tccatggcca	tttggtagta
127741	aaattgggac	ttgagaggag	aggcctcaa	ggcttccctaa	cccaccttac	cagctttgcc
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128161	atggtcttac	tctcttgacc	tcatgatctg	cctgcctcgg	cctcccaagc	tgctgggaat
128221	acaggcgtga	gccactgtgc	ccagccaatt	ttagcatttg	taggtcccaa	gacaaaaatg
128281	ccattcattg	aatgccacca	atatatcacc	ctgattctta	gctatggtag	acttgatgga
128341	ggttgaccat	ctgatctcca	gaggccccct	ccaacccttc	cattctgtga	gccaactgga
128401	agcagcttgg	gctttctatg	ggtttttcat	agatgttatg	ttgaaaaatg	cagaaaaatg
128461	cactgctacc	ccagggtata	catattacca	ttaatgctgc	tttgaataaa	cagacaatcc
128521	tttgggctcc	tccctctctg	tgggatctct	ataaagtgcg	tgattccagg	cacaataact
128581	agatgctaga	aatgcatgca	ctataatttg	tgacaccatg	actgagaagc	gcctgtcctt
128641	gacactgtaa	gtagagtga	gcagtgaaga	gcggggccac	agaagccaca	gtgccagtgt
128701	tcaaaccttg	ctcttccatg	cacgagacaa	acatgattac	agtcacctct	gtaccttacc
128761	tttttcatct	gtaaagtagg	gaaaaatgag	aaatcctaca	gtaaaagggt	gtgataaggc
128821	tttaatgagt	tcattttgtg	agaatgtaga	tcatatacaa	tgcataaac	atttttagcta
128881	ttattgccac	atggcactaa	aaagtttttt	cacgttcctt	atgaacttca	gagggtttag
128941	aagttgtagc	caaggcatcc	agctaacaag	agtcagagct	gaaattccag	ctcttaagcc
129001	cctccacaca	tcttctttat	actgtgaaat	acaattgctt	atcttggcac	agactcagtt
129061	actaaggaat	cagacaaaaa	tgtttgaaaa	tccttttagt	gacttgctgg	agtccacact
129121	cagtagatac	ttacaaaaaa	caaaagtgc	ggattgttct	gcaaaacgag	ctagttgttt
129181	gacttaggtc	aatgacaacc	tggtcagact	tgacaaagac	ctattttattc	tgggaaggag
129241	tgttatctat	tatgaaatct	tgtatttgaa	aagctgagaa	acaaccctgt	aattcctgct
129301	ttattttactt	gaaacaaaca	tatgtacctg	gaaacaaaga	atgaggccaa	gtcatagatg
129361	tgaacatagt	ttagcttgag	gacagacgaa	aggtcaagag	aaccaagttc	tgtttccaat
129421	catctaagaa	ggatgtctct	gtgtatgttt	gggtatgtct	gtggtatgtg	tgtgcaagtg
129481	tgtgagagtg	tatgtgtgtg	gatgtgtgtg	tgtgtgtttg	cagataaaaa	ttcaggaaaag
129541	aaatacacta	aatgttatca	aggcttactt	ctaaaaagta	ggatacatgg	tggaagacaa
129601	gggatcgtaa	attgtactaa	atggagaatt	acaaaaacac	cccacaattt	tcatataaac
129661	aaaaactgaa	agaattttat	gctaacaggc	caggcatggg	ggctcacaac	tgtaattcca
129721	gctcttaggg	aggcagaggc	aggaggatag	cttgagccca	ggagtctgaa	acctgcctgg
129781	acaatatagc	aagaccccg	tctccacaaa	aaggaaaaaa	taagacaaag	aaaagaattt
129841	gttgtagta	gactcccaa	caataaatac	taacagaagc	tctttattcc	gaagagaaat
129901	gacacaagat	agtaattcaa	atctataata	aggaatgaag	aaccccagaa	atggtgaata
129961	agggggtatg	tacacacaca	cacacacaca	cacacacaca	catatgcaca	cacacacgta

FIGURE 3-JJ

130021	tgtattttctc	ttaatttgat	acatgactat	ttaaagcaaa	aattataata	ccatagtggg
130081	ggattaacat	atatagatgt	gatattttatg	ataagaatag	cacagaggat	ggatggggag
130141	catatggaag	tatgacattg	tagtatgtag	tatgatttcc	tatattttgc	atagaatggg
130201	atgaaactaa	ttcaatàgat	catgacaagt	taaggatgca	tatggtaatc	cccagtctgg
130261	tgaaaaacag	tacaaaagaga	tatgataaca	agccaataga	ggaattaaaa	caaaatatta
130321	aaaaatattt	actaacccaa	aggaaggcag	gaaaggagga	aaagagggaat	aaaaagcaca
130381	tgagacatgt	aggataacaa	aacagggaact	ctaaatccaa	ctatatcaat	aatgatgatg
130441	gatgtaaaca	taaaaatcta	atcactccaa	ttacaaggca	gaggtcacag	tgtataaaaa
130501	ggcaagaccc	aactatatgc	tgccataaac	aaatatactt	taaatacaaa	gacagaagaa
130561	tagaaaacaa	aaaaaatatg	ttctgcaaac	actaagcatg	agaaaaactgg	aatggctgtg
130621	acaatatcgc	acaagataga	ctttaagagt	atttctagag	gtaaggaggg	aaggagagac
130681	atttcataat	tataaaaagag	ctaataatct	tgaaagacat	aaaaaccatg	aatatgtatg
130741	tgcttaatga	çagaggctca	caatacacga	cacaaacaaa	tgacatgtac	atcctgcccc
130801	agggcagttt	attccaagga	tgtacagttg	ttttaacatt	tgaaaaacaaa	tcattgtaat
130861	ttaccatatt	aacaaataaa	gaagaaaaac	catatcattc	tctcaataca	tggaccaaat
130921	aagcatttga	aaactcaata	atcatttcacg	ataaaaaactc	tcctaaaaaa	tagaaataga
130981	ggcaagattcc	ctcaatctga	taaaagacat	ctgtggaaaa	cctatagctt	acatcatact
131041	taaagatgaa	acttgaaactc	ttttcctaata	attgggaaaa	cacacagatg	tctgctctca
131101	ccattttctat	ttgacattgt	agtggagggtc	ccagtcatta	taatatgaca	agaaaaaaaag
131161	tataaagatt	gaaacagaaa	aaagtaaaag	catccctatt	cacagatgat	aggattatat
131221	ttctatatag	aatctatctc	ctattcttaa	ttatatatgg	taaattccat	tcattatag
131281	gttaaaaaaa	tgttaaatgc	ctaaggcctt	tacactcaaa	acgactgcat	tgttgagaga
131341	aattaaagat	gacctaaaaa	acataagtta	taacatattc	aggaattgga	aaagtcaata
131401	ttggtaagat	aatagtctct	tccaaattag	ctcatatatc	cagtgtaatc	cctatcataa
131461	ttccagcaga	aattgaaaag	tgattctaaa	atttatggaa	caatgaaaag	gacctaaaaa
131521	agccaaaaca	accttgaaaa	agaacaacgt	tggaacatcg	catgacttga	tcttaaaggc
131581	tgactaataa	gctatggtaa	tcaggaccat	gtgggattgg	cataagaact	tacctatttt
131641	ttaaattcttt	gctcaaaagaa	ccaattttac	tactccattg	ctaataaaac	atgggccttt
131701	ttaaaggtcct	gaatggggc	tattttatgc	tggtattatt	atgttattat	tatgatgatg
131761	ttgttgttgt	tggttgttgt	gttgagacag	agttttgtct	ttgtcgccca	ggctggaggg
131821	caatggcgca	atctctgtct	actgcaacct	ctgcctcccg	ggttcaagca	attctcctgc
131881	ctcagcctcc	tgagtagctg	ggattacagg	cgcccgcçac	catgcccagg	ctaattttatt
131941	tatatatata	tatgtatata	tatgtatgtg	tggtgtgtgtg	tgtgtatata	tatgtatata
132001	tacatatatg	tgtatgtgtg	tggtgtgtgtg	tatatatata	tatatatatt	tttttttttt
132061	tgagacggag	tctcgctctg	tcaccagga	tggaagtgcag	tggcgccatc	tccgctaact
132121	gcaagctctg	cctcccaggt	tcacgcccatt	ctcctgcctc	agcctcccga	gtagctggga
132181	ctacagggtgc	ccaccaccac	cgctgggttaa	ttttttgtat	tttttagtata	gatgggggtt
132241	caccgtgtta	gccaggatgg	tctcgatctc	ctgacctcgt	gatctgcccg	cctcaggctc
132301	ccaaagtgtc	gggattacag	gcgtgagcca	ccgcgcccag	cctaattttt	ctatttttag
132361	tagagatggg	tttcaacatg	ttggccaggc	tggtctcgaa	ttcctgacct	cagataatcc
132421	accgccacg	gctcccaaa	gtgctgggat	tacaggcggtg	agctaccgca	ccggcctttt
132481	atgatgcatt	tttattatct	cttcagtaga	ttgtgtgttt	ctccttgcac	ccaggcactt
132541	ggtgttatct	aagtgtttat	gtcttccatg	tctgcactat	gctatatctg	tagtttgttt
132601	taaatagtat	ctgttaaaaa	agcgaccatt	atccattgta	gacaaccagt	cacagtcctc
132661	atggtgctga	tgaaacacaa	aagccacaaa	gcttcttttc	ctcaaataac	ctacccgagg
132721	tggagggtcg	gctggttttt	gatgacacc	attttggtga	agactcagga	tgtggggcca
132781	cagggtgac	tggacgagtc	tgtttggtcg	ccagtttcat	cagactcact	tgccctctgt
132841	gaaatatttc	ctggacatca	tccagcctct	gcaaaacttt	ctgggctttg	gcctacagta
132901	acaaaagcaa	atcatgatga	acagggtctct	ctgtatacag	cctgaggata	cgaagcattc
132961	cctttctccc	accttcccct	actcccccca	tcctacctc	cctcagggtga	ccccctctgg
133021	gcacactat	gcaagtgcct	gcagggtcctg	ccatgctcca	gaattgggta	tctaaggatt
133081	agcctctcct	acttgagacc	cttgaggaca	atgactacat	cctttcacta	tggcgtctcc
133141	agtgcctgga	acaccctggc	acaggagttt	gagaccagcc	tggtaacat	ggtgaaatca
133201	catctctact	aaaaatacaa	aaattagccg	ggtgtggtgg	ctggcacctg	tcatcccagc
133261	tacttgagaa	gctgaggcag	gagaatcgct	tgaacccagg	aggcagaggt	tgcactgagc
133321	cgagatcatg	ccactgcact	ccagcctggg	cgacagagcg	actccatctc	agaaataaac
133381	aaacaaacaa	acaattagaa	tacaatgtgg	cttgtgtcat	gttagacaga	gcaaagaatt
133441	ttggcctgag	tccatggatg	gacttcaggg	cattccccag	aattacacaa	acagttagac
133501	aggctggata	taatctgttt	gttcctccac	tgcactctct	cttcctttct	ttgtgcccag
133561	gaagctgatt	aaaagaagct	cctaaaccag	aggtgcagac	aaggtgatga	tgtggctctc
133621	agaggaaggt	gtgctacctc	caaccctgct	ggcttcatgg	aagaatatgc	ttctcaaatg
133681	caaatccaat	caagttatct	ccctgcttaa	atccaaactc	gctcatgtgg	ccccaaaagc

FIGURE 3-KK

133741	ctaccttggc	tgcctctctc	taacctcacc	caaaacacac	ttccattgct	ctctaggttc
133801	cagcaccctg	accttttggg	ctgcactgtg	ccaggctccc	tccagccctg	aagcctttgc
133861	acatgctgtt	cctcctgtct	ggaaaggctc	tcccatcttg	tctattcggt	ctccaggctc
133921	aagtgactct	tccctgagagc	cttctctgac	cccagtcacg	gtcaagttcc	tctgtcacat
133981	gcctgaccct	gcatccctcc	ttgacagcac	ttatatcagc	ttgtaacaca	tttttgtgtg
134041	attattttgt	taatgtcagc	ctctccacac	aactgtaagc	tcagtgaggg	atggaagcat
134101	gcctattttt	aatcatcatg	gtatccctcag	cactcagcac	agcacatggg	acatcaggaa
134161	tgctcataag	cattaataga	gaaatgactg	atttgagtca	gacgaagact	cagtatgcc
134221	ggacgttcag	gccgagagtc	taagaggccg	ccggagggtc	tcggaaccag	tgagccact
134281	caattcagcc	tgctcagtac	cctgtgtgta	ctttatcagg	aagaagggtac	agtccctccc
134341	tcccctatcc	gtttcccaac	cacaggatca	aaataaccgg	gaagcattac	ctttgcatcg
134401	agggtgagca	gcaactcaaa	ctcgttgtaa	aactccttgg	ggctgagcaa	cggtgactcc
134461	ttgactgtgc	ccagggaatgt	cgcaatgtcg	ttcaaggcga	tatcaacccc	ttctcgagac
134521	tggcacttgt	ctacagcttg	ggaagccaag	aggtagattc	ctgcctcaca	ccattggctg
134581	accttttggg	aagaaacagt	gcctctgtgca	cttcgcctga	ccacaactca	gagccaccgt
134641	aatcctcagc	aggtctgagc	ttgtaagggtg	tctacaagga	ttcccagaca	atgggaaatt
134701	ttatcgggac	ggcatcgagt	ttgaagggtc	taaccactgt	aaattacact	atgaggggga
134761	caaaccctaaa	ccagctgata	cctgtccact	tctcagggaa	gtcactcggt	cagcaaaatg
134821	agtctcttcc	attaacagta	attgctacat	ctccaggagg	agacagctaa	atatatat
134881	aattaaagac	aggggttcac	ctgtgcacc	aggtcgaggt	acagtgtgc	aattatggct
134941	taatgcagcc	tggaagagtc	taccggggtc	tcagggtgatt	cttccacctt	agcctcctga
135001	gtagctggga	ctacagatgc	atgccaccac	accaggctaa	tttttccctc	cttccctccct
135061	tccttccctc	cttccctcct	tcctctttct	ttctctctgt	ctctctttct	ttctttcctt
135121	tttttgagac	aggttttggc	catgttgccg	aggtgctct	cgaactctcg	ggctcaagca
135181	atctcccac	ctcggcctcc	caaagtgcgtg	ggattacagg	tgtgaggcac	tgacccacc
135241	cagccttata	gctaaatata	tcttaggctg	gtctaaccat	agagaaatgt	aatcaatggc
135301	ttttgggggt	tacctgctag	tccactcttc	ttgcatccga	attgggtacc	agaacacagg
135361	gtgattaata	agacattaga	cctggccctt	acatttccctg	ggagaagggc	atgtcccttt
135421	taacaaaaac	acaacttca	tctttggatt	cccagggtgat	ccctatttgc	atttactggc
135481	gtttgtcttt	cgtaagggaag	caagaatgca	aagctttgta	actcagcaca	gcgatactca
135541	agagtttctg	gatgctggga	ggacattaga	taggtgatga	gttctaatta	ttcaattttt
135601	aaaaaagact	cattttcttt	gctcttttga	actccactga	gacacttgaa	cagaaagaca
135661	gggagccctt	atgctacctg	aagagttata	tgaaaagaaag	tttccagtg	caatacctct
135721	gcattttccat	ttaccatgtg	acctgaaaag	caatataaag	taactataca	gagaaaaaag
135781	atcaaaatgc	aacacgccaa	agtgtgtgtc	tttctaagt	ggaaaatgat	aggcaactta
135841	agtttttgtc	ttattttttt	cctagattat	ttacagtga	tatgtaccac	atttagaata
135901	ataaaaaatc	ataaagatat	ttcagaatta	ataattacca	ttatgtaggg	atgggggata
135961	gtgggatatg	tacgtgcca	tgagtaacct	ttttcttct	acatttttgg	atttccacaa
136021	taatatgaac	tcattgcttg	atatatgctg	tgaaaacttt	ctctttacac	atcatgccca
136081	gatctgcaaa	aaacattagg	ctgggatttt	ctgtagagtt	actatggcta	ctgtcttct
136141	ctctctctct	gtctccctct	ctctctctca	aacacacatg	cacacacaca	cacacacaca
136201	cacacacacc	aggcttataa	tctctggagc	aaaaatggag	ttgggaaaac	agcagctgat
136261	cccacagcga	gctcagcaca	cagagcaggc	tgacacaccag	ccccttcgga	gctacttgct
136321	tctgaaacaa	ctatatattca	ttgacattaa	aatcccttta	gcaatgggat	gaggtaagcg
136381	cctgggtggg	tgccccctgc	catgcaagag	gaacagctgt	ggggatggag	catgctgact
136441	cattgcccgc	agccacatgc	tgccctgggac	cagctcacag	ggaagactcc	agaaaccgct
136501	gctcctgctg	actgggaaca	taccctagag	gtcacctcca	aagggcaccc	ctctccttgt
136561	gggcccctgg	catgcccctt	tgctgtctat	cctgtgaagc	cttgggtggg	aatctggcag
136621	gcctgacttt	aattctggct	tccctgtgtg	gcacctgtg	tggtcttggg	cagtcattta
136681	ccccagggtt	tcttgggtgac	atccctgcac	cacctgcacc	agaatcattt	agacacttta
136741	ctaaaataact	agttcctggg	cagtattcca	gacctatcga	cgctgagttc	tcagggcagt
136801	gcataaggga	atctgccata	taacagctca	ctaggtgatt	ctcgtgtgct	acattttgag
136861	accagcaga	gtatcagttt	ctgcctctgc	acaatgaggc	cattaatacc	ttcctcagag
136921	gttgtcttga	ggattataaa	tagatgacat	aattatgttc	ctggtaggaa	tgcaagtggg
136981	gctcgataca	tggtaggggg	tataaaatgg	ttgttattac	ttagcttctt	ccaaaaagag
137041	tcaaaaccct	ttgcctttat	atgagggaag	cactctgcaa	atatagtgtc	tggttctctg
137101	tacacctgaa	agggaatcaa	gaagtgttcc	cacaggggca	agccaaaaca	cactcttaaa
137161	gtccggctcc	acacagatag	aaatgggctt	cagttaaact	taatgggatg	tggtgggatg
137221	gccagagcac	tttttacctt	cgtgccagg	atacttctac	acccaggat	ctgcacagtt
137281	tttaatgcct	ctcgaacatc	ttttcacata	aagcactcaa	gcctctcagc	aatcacacaa
137341	ggaaggagg	acgagtatga	tgggaagctt	ttcacagaaa	atcttgacga	catcatgttc
137401	ttggctgtgt	tttgctcacc	ttgtccagct	gtctatgaaa	ctctaaggac	tttccataaa

FIGURE 3-LL

137461	tgtcccat	tttctt	gatt	gatt	gatt	gatt	gatt
137521	accggggc	gatggcat	gctgcata	ggtggt	gatgag	tc	cccaac
137581	gtgccagc	cWgggc	tc	cagg	gt	gaac	agcc
137641	cagaagtc	agcatat	ggctgag	cctctgt	gtgtgt	ag	agcctgg
137701	ggaggctg	gagatg	ccaggat	aggctgg	ac	ctgaga	gctcgga
137761	gttcaggcc	caggaa	agcctgg	agagtgt	acatgt	ga	caacagc
137821	cattcatt	aatac	gagt	ctgacat	agga	atag	gttaaca
137881	ccaaaa	cagatta	gaga	atat	aat	ac	atcgt
137941	tattaca	gcaata	ctagg	aaag	gtgc	acata	taagag
138001	tgaata	tattaca	agga	agag	acac	ctgt	ttgag
138061	tggggg	gctga	aaac	gaa	ttt	ggaca	tc
138121	tc	taaga	ctgt	gtgg	gtgg	ctcc	ctgt
138181	cagcact	ggagg	gtgg	cac	cagg	gtt	agac
138241	gaccaac	gaaaa	gtct	aata	ttag	atgg	gtgt
138301	gtgtct	tc	ctagg	gagg	aat	ctgt	agcc
138361	cggagat	agtga	gat	ctgc	gct	gggt	cagag
138421	ctccat	aaaaaaaa	aaaaaaaa	aaga	ctgt	ct	cc
138481	aagcct	gggc	tac	ctgt	aat	ca	ctc
138541	tctgc	act	aac	gca	ctgt	tt	taag
138601	ttcat	ctt	tatt	ctgt	cca	ac	tc
138661	tgggag	ttggt	aag	aa	ct	ga	ga
138721	tttta	agag	ata	tg	ggt	cat	ta
138781	agtga	atgt	ga	tg	gag	ag	tg
138841	atttta	ggat	gt	tg	ca	ag	at
138901	gact	aga	ag	ag	ggt	ca	gc
138961	gcact	agg	cg	ag	ct	ga	gc
139021	gcaac	gaa	ac	ct	ta	gc	gc
139081	gccc	tc	ag	ct	ga	ag	gc
139141	aggag	agt	ga	gc	ct	gc	gc
139201	ctgt	ct	gc	gc	gc	gc	gc
139261	aagac	tt	aa	gc	ct	gc	gc
139321	ttt	cc	gc	gc	gc	gc	gc
139381	ggt	tt	gc	gc	gc	gc	gc
139441	aga	ag	gc	gc	gc	gc	gc
139501	tc	cc	gc	gc	gc	gc	gc
139561	tgt	cc	gc	gc	gc	gc	gc
139621	ctt	ca	gc	gc	gc	gc	gc
139681	at	ca	gc	gc	gc	gc	gc
139741	gc	at	gc	gc	gc	gc	gc
139801	ag	ta	gc	gc	gc	gc	gc
139861	tg	gt	gc	gc	gc	gc	gc
139921	gg	gt	gc	gc	gc	gc	gc
139981	tt	tt	gc	gc	gc	gc	gc
140041	tt	aa	gc	gc	gc	gc	gc
140101	g	ct	gc	gc	gc	gc	gc
140161	gg	gt	gc	gc	gc	gc	gc
140221	tt	gc	gc	gc	gc	gc	gc
140281	ta	aa	gc	gc	gc	gc	gc
140341	gg	ct	gc	gc	gc	gc	gc
140401	ag	at	gc	gc	gc	gc	gc
140461	tag	cc	gc	gc	gc	gc	gc
140521	at	ag	gc	gc	gc	gc	gc
140581	c	ct	gc	gc	gc	gc	gc
140641	tc	at	gc	gc	gc	gc	gc
140701	at	ca	gc	gc	gc	gc	gc
140761	ac	ct	gc	gc	gc	gc	gc
140821	ag	cc	gc	gc	gc	gc	gc
140881	ct	gt	gc	gc	gc	gc	gc
140941	ta	ac	gc	gc	gc	gc	gc
141001	tc	at	gc	gc	gc	gc	gc
141061	tc	ct	gc	gc	gc	gc	gc
141121	gt	ct	gc	gc	gc	gc	gc

FIGURE 3-MM

141181	caattccaac	atatcttatt	gtgtctacat	cactcccaag	cttcaagccc	tttctgggc
141241	gccagggtc	ttcaggagca	agcttaaact	cttgagcaat	gcacacggg	aatttcatta
141301	tctagctcat	acctgggtgt	gcctgactta	ccaagtcctc	ttccacttcc	tcaactccat
141361	tctctgtctg	aaccatacta	attatccact	tattgttccc	caaatattca	ggcagcttca
141421	ggcctccatc	ccttctccac	ctgctgtctg	cctagaaaagc	ccatccttcc	ctactcccc
141481	tcaccatac	tcctctgggg	ccaactcgat	ctaaatcata	tttcagactt	caccttctcc
141541	agaaaacttt	ctctgtgctt	ctcttgatca	gagcacctgc	ttcattatgt	tgtgaccact
141601	tatctgtctg	ctgcgctatg	ccacagacac	ctatgggtcca	gaaccagctc	ttattcaact
141661	gaaaacagtg	catgctgcat	cttaggtact	tacaaataaa	tgctgcacaa	aacaaagagg
141721	agtactggta	tagaaacaag	tgacacaaat	caagtagtgg	ctagttaaaa	ggactgaggc
141781	aaaaataccc	agaacacttg	ttctaaccag	caaaggccca	gggtgactgg	ttaccacccc
141841	tacaagatga	ctggaatact	cattccctgg	gcagtgattt	ttttttttt	ttttttttt
141901	agatggaatc	ttgctctgta	gctagctggg	agtgcagtgg	cttgatctag	gctcactgaa
141961	aattctgcct	ccggggttca	agcgattctc	ctccctcagc	ctcccgagta	gctgggacta
142021	taggcgcccc	ccactatgcc	tggctaattt	ttttttttt	taatttttag	cagagatggg
142081	gtttcaccat	gttgcccagg	ctggtctcga	actcctgagc	tcaggcaatt	caccgcctc
142141	ggcctcccaa	agtgttagga	ttacagcgct	gagccaccgc	gcctggtctg	ggcagtgatt
142201	tttgactctt	tgggttactg	ctggtgctctc	agaacttaaa	cagtacctgg	catggtagga
142261	gatgaataaa	tatttgacga	atagatgtcg	aatgaatgac	agacctttcc	tagcactgct
142321	cagctaccgc	agactgaacc	tagcacatgt	tccatagccc	agaatttatc	cctctacctc
142381	tgtaatgtta	ataacaacag	ctaaccatcta	ctgagagctt	aacagatgcc	aggcactgtt
142441	ctgaatgctt	tacatttgct	tatttccctta	actcttcaca	acaaaccctt	tgatacaggt
142501	actgttttac	caaagggaag	tggagcacaa	tggcccaagg	tgaccacagg	aggaaagaga
142561	agagccaggc	ttcaaaccca	ggcagttctg	ctccaggatc	tggtcagac	caacatacac
142621	agagaaaaat	ggctgcactt	gttctgccta	aacttagaga	cctcatttgg	ttgctcgaa
142681	ttgtctgact	ttagtcaaat	atagaaacat	gagacttggc	atgaaagtct	ctgttgacac
142741	ttttttttt	tttaagtcca	gctgccta	ttattaagaa	cagggcagaa	tttctgggt
142801	ccagggaat	tcaccacagg	atacttccaa	atcacctgt	ggtgatcaga	gcctgcctt
142861	ccctcagcat	acagtatttc	acccttcaga	attttccaga	agacatttga	gatgttagag
142921	ggaagatgtg	tgtaacaggt	ccaaatgggt	ctaggagaa	acgcccataa	aggcaactga
142981	ggaggccggg	cgagtggtg	cacgcctgta	atcccagcac	tttggaagc	caaggccggc
143041	ggatcacaag	gtcaggagtt	agagaccagc	ctgaccaaca	tggtgaaacc	ccatctctac
143101	taaaaataca	aaaattagcc	gggtgtgggt	gaggttacct	gtagtccag	ctactggga
143161	ggctgagaca	gaagaatcgc	ttgaaccag	gaggcggagg	ttgcagttag	ctgagattgt
143221	gccactgcac	tcagcctgg	gcggcaagag	tgaactccg	tctcaaaaa	aagggaact
143281	aaggagcaac	ccggattcag	ccaccacatg	gctggaaggt	cactattaca	gaattgaaag
143341	gaacaacaata	gtttctgacc	actgactact	gaccaccaac	catattgcaa	gctgacaca
143401	tgaagtccct	accacacatc	taactcattt	aatcttcaca	aggtctctgt	gaggcaggaa
143461	ttattacctc	tgctttacag	atgaggggga	ccatattcag	aaaggctacg	aaacgtgact
143521	agggtcatac	agctgggtact	tggttagagcc	aagatttgaa	tccatcccta	tccgacttcc
143581	aaagcctgtg	ttcttgtcac	cttccagccc	acctggcctc	tacacatgtg	ctatggaa
143641	ctcctgggtg	ctgcaaagaa	atttatgggtg	aaacctccaa	attgaagctt	atttttttag
143701	tttatatacc	tcccactcag	gataaatagt	catcaaaatc	tccaaagtaa	aaaagaaaga
143761	gtgagggaaa	aatggctaa	aatcttctga	tcacaagccc	atctgggatc	tttcagatgc
143821	tgaaaattcc	agaaggctgg	atcgtaaggt	ttcagcttag	aagttgcaat	cagaaatctt
143881	tattgaaata	agtttatttc	cccccgagga	ctctgctggt	ataacagatg	agagatgaga
143941	gtgcctacta	gggaagaaa	tggcgagaaa	gcgagtgatg	ctactctatc	cgggaatcta
144001	gaacaaaccc	acagaggatc	cacagggatg	gagtgtgtgt	atggggagg	gggccagatg
144061	aaacaagaaa	ggcagaaaagc	taatggttgt	tgaaattgaa	tgatggacac	ttggagttca
144121	ttgtgccagt	ctatctgctt	ctctgtgtgt	ttgaaaattt	cacacatgta	cacaaagcca
144181	tgaccctcca	acaagatgac	atccttagat	gttaatggcc	tgggttccat	gccttcttag
144241	acacagcacc	cttatgggga	gaggtcaagg	ctgaaatcag	gtggttctct	caccctgtcc
144301	tggtctgttc	cctgtggcc	cctcagcaag	ggtctcagta	cggccacag	tcaaaacctc
144361	gcagcaagtt	ctgcttttat	agaagacctt	ctgtaagtgg	ttgaaactac	tggttttcag
144421	aatcaggaag	gagcattcaa	aagactgcta	aacctcaaa	cgagaacaa	ataaagaaca
144481	ggctgaatca	gcatgcgaca	ggagcctggt	tagtgagttg	actgaggtta	ctgtgagaa
144541	tgatgtcact	gtgtggaata	aggaagctgg	caacacccca	gagccagcgt	gtggtgtgc
144601	tgggagggag	ctggccctt	agtgccgagt	aaaggacaaa	ctccaggcag	atatttgtca
144661	gattgtggcc	agacacagtc	ttgttctttt	aacactttaa	aggacaaatg	gaaagattag
144721	caaagcccta	atcatctgaa	gaagccatgt	gtctgagaag	tctgagggaa	gatattattg
144781	aaacgatctc	agttacgatg	agacagcttt	gtttgattta	cgcaaaaggca	gagacacagg
144841	tgtactacat	ccttcaggaa	gcaagtttag	aaataagatc	tgcaagtcat	aggatgtgac

FIGURE 3-NN

144901	aggtctgcaa	atcctgcaag	tcacagggtca	tccaçagtg	gctagtctag	ctgcttcaag
144961	aatgttgccc	acgaaagggtg	ggatcatgggt	tcacagagca	ttcctgtgtt	ccataaccac
145021	aggtttcatc	cctaactctg	gtcagcaact	tttgaagtat	ataccaagga	ccacaagttc
145081	aaggaagtgg	gcagaagaaa	gaatgtgatg	cagtcacgca	gatccatcgc	cactattcaa
145141	gacacagccc	agagcgctt	ccaagggtt	tctgttccac	tgagaataaa	attcaaattc
145201	tcacaaaaga	tctcaggggtg	caacaggact	acctggcctc	tgctcatctc	tgttcactca
145261	tttctctctg	gcccacctgc	tctagcaatg	ttccttgaac	tcaccaagct	catttccact
145321	ttaggacctt	tgacacctgca	gctcgctctt	gctttgatac	tattccctaa	gtctttgcat
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145441	ttctagctaa	agtagcatcc	ccagtcactt	tctattatat	cttgttttct	tttttatatc
145501	actgtttact	atctgatgtt	attatttatt	tgattgcttt	ttagtgaact	gtctctctcc
145561	agtagaatgt	aagctccatg	agggcagatt	ctggactgtc	tggtcaccg	ctgcaccac
145621	ggaacctagg	ataaggaata	cctcttgatg	aataaataac	cctctggata	ggtcagtagc
145681	tactttcata	tataatgaa	ggcatttttt	ttgatgaggc	actttttctt	aataatgaa
145741	taagcaaaaa	aatatagtat	ctatattcag	taaaaaatta	ttttgaaaaa	actaaaatga
145801	tataaggttg	gggctgtcct	ggagaatcta	aggtatctag	tcacatata	tatgaaattc
145861	aacttttcca	ttgtttgata	aatgttctctg	atgactcatg	tgctcttagc	actagtttat
145921	ctgtcaaatg	gtcactggta	agagaaagag	cgctcgctgt	gaagggatgg	gattcctgaa
145981	tggggatctg	gatacacagc	tgggtttgtg	tggtcatgca	tggtgcacaag	cacctgcagc
146041	tcagaatcta	caaccaacag	ctcttagagt	cagtgtggcc	ttggtatact	ttgttttgta
146101	tccttttaggg	gtgtgtgtct	ccaactttaa	cgtaacaagtc	aatcacctgg	ggatcttctt
146161	aaaatgcaga	ttccaattcc	aggggtgggt	ctgagatttt	atatttctaa	ttagcgctta
146221	ctcaggtgac	atctgtgtctg	ctggccagag	gctcacactt	tggtcaaatct	ctagtactgc
146281	aaaattgccg	tctgagaaac	atgctccag	attagctaag	aaaggaagcg	ctaaccacag
146341	gggacttgg	ccccaagacc	caaaaatata	gagaacctaa	tttcaaacaa	gcagaaagga
146401	acttctctgg	aaagagacga	ctcagctttc	ttcatttgta	ataaaccaaa	tctgtaaac
146461	cttaaaatgg	aatcatttct	aaatgctgac	ttgtgtgcgg	atctgggaca	ctgtttaatt
146521	ccagtatggg	actgtaaaat	acatattctt	ttacaagt	cacatttaca	actcttggga
146581	catgagaaa	gagaaagctt	tgccaattct	gtgtagcaat	ggaactaaca	tggaactaatt
146641	tccccatct	aattgtcttg	ctccaggtat	aaaactagtt	gttttttttt	ttctgggttc
146701	tcctttgaaa	gtttcccatc	cttactacca	accccacaa	ccccagcccc	ctagtccagg
146761	ctccagggag	gagctcaagc	tgatgggtga	gcctctgata	taattgttct	ggtgagtgat
146821	gagcctgttg	tgaccttctc	ccacttggct	gctgaccacy	tgagagggca	gggctggctc
146881	agagtcctca	cccgacctga	gcgtccaact	gcaactgtat	gttccggcag	ctttaatagg
146941	actctgtgct	gcccgtatta	ttcatagcag	ttgttaatgt	gcctctctcc	ttgggatcct
147001	ggggtgactg	aagggcagga	ctgggcattc	ctgtgtcctt	tagcaacctt	ccaatagcaa
147061	tgactggaca	tgatccatca	ttgtccacag	caacctccct	cccagtacac	aaaaatgtca
147121	gaaagcaaac	ctggcttttt	tcctccagtt	ttttgtgttc	cttaagaaKc	tgctccacgt
147181	gcatcacgct	gtctccaatg	cctgtaaaact	ctgcttgctc	ttccagcaaa	ttatccaggg
147241	caagcttagc	ctacaagaaa	cattagaaca	gtccagaagt	aaaccaacac	tcactcacct

FIGURE 4-A

>11:71972801-72105900

1	attccacat	ttacagtaac	ccctgtttcc	agaaaataaa	tatcaagata	aggaaagtga
61	cactaaagag	acacgcagcc	actctgcctg	taccctctct	ggaccttaaa	gagttaaagc
121	ctagccatga	tttccctacca	gggctgaggc	taatgtaaac	cacctgctca	gacRcaagaa
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241	aagtacagaa	caagtgatag	gccaaaggcc	agagggctcg	agctgcagca	gcactgctct
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361	gccccatcaag	ggaacaccag	acctacctca	agataacacc	aaagtgacct	ttggtcccag
421	agagttgtta	aactataccg	atctctcagc	tcatgggccc	ttgcttctgc	tgaaccctca
481	ttctcttagt	gctaactccc	actcccagaa	tttcaggggcc	caaagcccac	acaagctccc
541	acctcaaagg	gtccttccca	gaaccccacc	cccttctcca	cctgatagtt	ccaaaggcct
601	acagcctcac	agctcacaaa	ggaatggct	gccccatctg	tgccgagtg	ctcacttgca
661	aaattttacca	ccacttacc	tgagacgctg	cctgcctgta	gcctaagaat	tccatgctct
721	gtaccccttt	cttagaaaaga	tactccccat	ctgagagaca	ctcacatcca	aagagtga
781	acctgatct	tggggctcct	cctcctccaa	ctctRggacg	gataggccag	gaggcacatg
841	caagcaaaaca	ccgagatctc	acctggcagg	ttaccagag	gggccaagcc	accttgccct
901	aggctaataa	gctataaaaa	cagcatagga	aatactttgc	tggtacatcc	cctgcctctg
961	agaagataaa	aggcaagagg	accagtggtc	ccaagagacg	ccatacagag	aaaaacaatc
1021	tttctcaatt	cctggggagt	cctgggtaga	ccgtctggtc	caagtccaaa	gagtttctctg
1081	aggtcggggc	aaaccagttt	ggtccatcta	aagggactag	cttgggctga	agcctcctct
1141	tcacacagac	cactccatct	ttgtagccta	gagtttgga	cagaacccca	aagccctgga
1201	gaggaacaag	ggagggatta	cagaggaaac	caagcttctc	tggtttcttc	aaaagtggct
1261	tacagatgtc	tgccccttct	ccccgttctc	tggagggtcc	agatcaggat	gatggcaaaa
1321	gagctgcaat	caggaaccag	acctgcaacc	aggcctgcag	ccatgtattg	tactggggcg
1381	cgtacacata	cacacacaca	cacacacaca	cacacacaca	cacacacaca	cacacacaca
1441	cacacacaca	cacactgacc	tgggccccc	accactatat	tcacacaccc	tggtccctat
1501	cagctgacaa	aatgaacctt	ttttcactgc	ccaccaccgt	gcacacaccc	acggcctcac
1561	gcagaaatgg	tgaagccctc	tcctgagctg	tctctacagc	tcaacgtgca	ggcaaacacg
1621	ctttccttct	ctgaacaaaa	acatgctgac	atctacgcaa	gggggaaaga	aagcaacccct
1681	ttgctctgaa	aggcgccaac	tcccggatgt	tggcaagctc	tgctccacag	cgctgtttc
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1801	ggagggtgagg	ggggagaatc	cacccacccc	cctcgtccat	gtttgaacaa	aaacccagag
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1981	ggggccagtg	gaaagtaacc	ccacacacaa	aagaaaaagt	gttggttttc	ttctcagct
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2161	agtgggggtg	gggcccagag	ggagggggtg	cactggagag	gaggggctgc	aaaggggaag
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2341	ctgtggcata	aacacacaaa	acacatctta	cagtggcctg	cctgacaaac	tgggatcaac
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2521	ccctgcctgg	cggaccgcag	ggcaaggagg	aagaccggg	aacagaggct	ttgaagaaca
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2941	aatcccctgt	tccgctgagc	atttatggg	aggggctgag	gggccaaggc	acgagaccga
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3061	cttctcctac	atggctgaaa	acaaaagatg	tctgactctt	agaagacaaa	atcacagcat
3121	ttccccccac	tgaatagcga	acttcaccaa	ggctgaaaag	gaagcccacc	agatggctca
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3301	taggttgtaa	ttcacaggag	ataagaaata	tgacttgaag	attaatttca	aactgggtg
3361	ctaacttcca	taaaagctgt	aaagaaaaat	tctaaccagt	ttagaatagg	gaaggattac
3421	gaaaatgaag	tgccatttta	atttggacct	tgaaacacac	aggtagcatt	tccccagatR
3481	gaaacagaga	ggtgtgggga	ggaagagaaa	gcagagagga	ggcatggaag	cagtgggaga

FIGURE 4-B

3541	aagggccttga	agagtgaggt	ggggtcagag	agctaggaga	atcttgaacc	tcaaaccaag
3601	gaatcaaaga	cttgtaagtt	tgtttgttat	taacacagag	ctgtggtatg	acaaaaactg
3661	tgccccaagt	ttattctgat	atatacctga	atgagactag	cagcaatgag	gtgagtcagg
3721	aagctgcaca	gtcaggagac	aggtaatgag	ggcacacaag	agggtaaggt	aagaaagaat
3781	ggaagggggc	cttggcacga	cggctcacac	ctgtaatccc	agcacttttg	gtggaccact
3841	gaagtccgag	agttggagac	cagccggggc	aacataggga	gatcccatct	ctacaaaaaa
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4201	tgagaggcca	gcctgggcaa	catggcgaaa	ccctgtttct	accaaaaaat	acaaaaaacc
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4561	tgcttctccc	aaagccctgg	gatacaggca	tgaaccacca	cacctggccc	acagttgtct
4621	ttgtcttttt	ctactaggag	ctatactata	gaggtcacia	tcattggcta	cagtttataa
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4921	acatatagta	gctaattgct	actgagtga	tactatgtac	gcgacactat	tctactgacc
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5101	caagtaaatg	gcagaagtct	ctaccacatg	ctgctaacta	tttgacattg	gcaagaaact
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6901	ggccccctgc	tctaaactca	aggcaacagc	ttccagctgt	gcagcttccg	agaggctgaa
6961	ccttccccta	gaacccctct	gcaagctgtc	caagtttctg	ggccagctct	tcaggacagc
7021	ccaaggagcc	tggccagttt	cgccaggctt	tcctcctctc	tcctccctcc	tgtggcagca
7081	gcagaatttc	cacagccctc	ctcacagcct	agacaggcag	caggcgccca	catggctcct
7141	gcctgattct	tactgtcctc	agaagagcgg	gaaaggagtg	gtaaaacctt	tctagaaaaa
7201	gagaagggcc	gggcacggtg	gctcacgcct	gtaatccag	cactttggga	ggccgaggca

FIGURE 4-C

7261	ggcggatcac	ctgaggtcag	gagttcgaga	ccagcctgac	caacatggag	aaaccccatc
7321	tctactaaaa	atacaaaatt	agctgggtgt	ggtggcgcat	gcctgtaatc	ccagctattc
7381	gggaggctga	ggcaggagaa	ttgcttgaat	cctggaggcg	gaggttgtgg	tgagccgaga
7441	tcgtgccatt	gcactacacc	ctgggttaaca	aggggtgaaac	tccatctcaa	aaaaagaaga
7501	aaaagagaag	aaagaaaggg	gtggagagcg	gggagaggga	gagagagaga	gagagaaagg
7561	aacaaaggaa	ggaaaagaga	gaagaaagga	aggaagaaa	ttactttaaa	ttcagtaggg
7621	agggctgggc	acagtggctc	atgccttaat	cccagaactt	tgggaggtcg	aggtgggcag
7681	attgtttgag	ctcaagagtt	caagaccaac	ctatccaacg	tgacaaaatc	ccatgtctac
7741	taaaaataca	aaaattagct	gagtgtggtg	gcaggagcct	gtaatctcag	ctacttggga
7801	ggctgaggca	agagaatcac	ttgaatccgg	gaggcgagg	ttgcagttag	ctgagattgc
7861	gccattgcac	tccagtctgg	gtgacagagt	gggactccat	tgcaaaaaaa	gagaaaaaaa
7921	aagaatttta	aattaaaata	aataaataaa	tttcagtaga	gttcagatag	aggttgaagc
7981	ggggtggtga	ctggtttaga	gcacaaaggt	tatttcaaag	ggtcaggtag	tcctcctgcc
8041	tcagcctcct	gagtagctgg	gactacatgc	acatgccatc	gcatcaggat	ttacattatc
8101	atttttgaaa	gtttaaacaa	aaaaagactg	gagctgggtg	tgggtggctca	tgcccgtaat
8161	cccagaactt	tgggaggcca	aggtgggagg	ataatttgag	ctcaggagtt	caaattcctc
8221	aggagttcaa	gaccagcctg	ggtaacatag	cgagatcccc	atctctacga	aaaataaagg
8281	aattagccag	acatgggtgt	gtgtgcctgt	agtcctagct	actcaggagg	ctgaggtggg
8341	aggattgctt	gagtcacagga	gtttgaggtt	atagttagct	atgatcatgc	cactgcactc
8401	tagcctgggc	aacagagcaa	gacacgtctc	aaaaaaaaac	aaaaacaaaa	acaaataagt
8461	actaggagag	ttcaagtccc	cagtcactcc	catgggatga	ttctcacaca	aataattagc
8521	ctggcactca	aggccctcca	tgacctgcag	cttctagagt	tctagcttct	agagtcgtta
8581	ttcccttacc	caaaccctcc	actctgccag	gcaggtctat	aaagttacag	tttgtcctga
8641	gaattagaca	agatgaccgc	aggggacagg	ctctggatta	gctacgaatt	acaacagtaa
8701	cagcaacgat	aatgatagtc	tttactatgc	caggatgtaa	gtgacagaga	aaagactaga
8761	aggcatgtga	ttgggcagtt	ttgtttattt	tactttattt	ttttaataaa	attaaaaaat
8821	atatggaact	cttcacaaat	ttgcatgtca	tcctcgcaaa	ggggccatgc	taatctctgt
8881	atcgttccta	ttttattttg	ttccaatttt	agtatacatg	ctgccgaacc	aagcactggg
8941	cagttttaaa	aatgaagaaa	tctgaggctc	aggaattagg	tgacctacgt	gatctagtca
9001	tgtaaagtag	aagttgtcta	ccttgctcct	atattattct	tttttgtttt	tttctttcaa
9061	gatggagtct	cgctctgtcg	cccaggttgg	ggtgcagtcg	tgcatctccc	gctcaccgca
9121	acctctgcct	cccgggttca	tgtgattcct	gtacctcagc	ctcccagtag	gctgggataa
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9241	atcattgagt	gaatgaataa	aagctagcac	attctcagca	aatcaaagaa	gccgtgtgct
9301	tttctctatg	aaaatcaact	tttttttatt	ttttgagaca	gagtttgctt	tgtcgcccag
9361	gctggagtag	aatggcacga	cctcagctca	ctgcaacctc	cacctgccag	gttcaagcga
9421	ttctcctgcc	tcagcctccc	gagtagctgg	gattacaggc	gctcgccaac	atgccggtct
9481	aatttttttt	atttttagta	gagatggcgt	ttcaccatgt	tggccaggct	gggcttgaac
9541	tccttacctc	aggtgatcca	cctgcctggg	cctcccaaag	tgctgggatt	acaggagtga
9601	gccaccgtgc	caggccgaaa	atcagcttct	taatcaaaat	aatcaaagac	ctccaatttc
9661	aaaattaatc	actaaagaat	tttttcttga	ggatccgaga	gctttacaaa	cactRaaggg
9721	ccaaaactcc	tctaaaaaca	gcaagcacca	agaaaagtct	tgtactagga	gggatgttgg
9781	cagtgtctca	aggggttagag	ggggaggctg	gaaggaaatg	ctggtgctaa	agggaaggac
9841	tgctgtttca	ggagcctgac	cttgagctta	tttaccatgg	cctcattgtc	cctctccaga
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9961	agagggcaaa	tcaaaaccca	gagaggattc	attataacat	ccaacaggcc	cactcagttc
10021	tctctcaaga	aggcctttct	acaaaacagc	taagaacctc	tccaccctgt	ttcactgtca
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10141	tgctcacaaa	cacagaacta	attataagaa	atgtgaaaga	acctgaaacg	cagggggaat
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10261	ccctggaggg	gtgatgggtc	acttactagc	tatgtggctt	aatgcaagtc	acagaggcaa
10321	attactgaga	accaagctag	ggctggatca	gctctaaagt	accttttcag	ggccaggcac
10381	agttgtctat	gcttgtaatc	ccggcacttt	tggaggccaa	gatgggagga	tcacttgagc
10441	caagggaattt	gagaccagcg	tgggcaacat	agtgagaacc	tgtctaaaaa	aaaaataaat
10501	aataatatat	atatatatat	atatatagtg	tgtgtgtgtg	tatatatata	tatatatttg
10561	cctattcatc	tatctataga	tatataaata	aatagatata	tatcaaaaaa	agaaaatttg
10621	ctaggcatgg	cgggttatgt	ctgtagctcc	tggaacttgg	ggaggctgag	gtgggaggat
10681	cacttgagcc	caggagtgtg	gggttaccagt	gagctatgat	catgccactg	cactctagcc
10741	tgggcaacag	agtgagacc	tgtctctaaa	aaaataaaat	aaagtacctt	tccacttcca
10801	aaaattccca	tgattctttc	cacaggatac	cattctcaac	aacaaatctt	gtagtagaac
10861	ttgtctcctc	agaatctggt	caaaaacatca	ctagttaggg	tgttctttca	aaaaaaatag
10921	caaattctcct	agaaacaggc	acattgtgtg	ttaccctatt	aggaccatc	cccaaagcga

FIGURE 4-D

10981	ggcacatgtg	ggtgcttcat	taatactctg	ttgaaaggag	gaggtccttg	gaaactggta
11041	gtaccaactt	agcatggcat	acaatgaaag	gtgattggag	ccacactcga	ggaactacaa
11101	ggcagctttt	cataaataaa	agccacaaaa	tgcaatttat	aactacatct	gtctaaacag
11161	actaaagaaa	agtagctttc	tatacctagg	tcttcacccc	ttctcctccc	cacctctcta
11221	ctttatcatc	cctgtcctac	acagcactga	gacccgtctt	tctgggtcca	ggtccacttt
11281	tcctttttcc	acaccagaat	gcctttaatc	actgatagaa	atgaacaaac	atgaatatga
11341	gttctaaca	ggaagacaga	tagcctcaag	aaccaacttg	tcaatatgtt	actaataagt
11401	gaaataagtg	ggaatggtgt	ctaacatggg	catgataaaa	taaaacccta	aaatacatat
11461	tgtgctaggg	atttgaacaa	acttcaggat	ttttaaggaa	ggctgtgtct	cacatctcaa
11521	ttaatcttcc	caaaagaacc	ctaaggaggca	aggtttattc	caattttata	aattaggaac
11581	gtaaggctca	gtaaaaagaa	aatacctgcc	tcaaggctga	ctggtaaggc	tgacagacca
11641	gaactcaaa	agatgtcttc	taaatccagt	gctctctcca	gcacatctca	gtacatctct
11701	ctatctttct	catcagtata	ggtcttcatg	tatacaaaag	atttctgcgt	cattgttcca
11761	cactgcttct	gccacagctc	atgaaaaggga	caatgcagat	gtctaaatgg	caccgatctt
11821	ataccacact	tttttttttt	tttttttttg	agacagggtc	ttgctctgtc	acccaggctg
11881	gagtgcagtg	gcataatcat	agctcgtctg	aacctcaaac	ttctgggtcc	aagtgtatct
11941	cccgcctcag	ccttacaagt	agctgctgct	acaacaggca	cgcgccacca	cgctggcta
12001	ttatttaatt	ttagtagcga	tgaagctctg	ctatggtgcc	taggctgggtc	tcaaacacct
12061	gggctcaagc	gatctgcctg	cattgacctc	ccaaagtgtt	ggaattaaac	ggtgtgagcc
12121	accgtgctgt	cctatccaca	cttttaagga	tgctaataaa	taacgtgatc	accatcagag
12181	aaaataaatc	ctacgtatct	ggcatcactg	agaagtacaa	aatttcacac	aagcaatttt
12241	cctactaact	gaaatttatc	ccttttaagg	caaagctcct	tctttatata	aaaacatatt
12301	ctccaaaata	cataagatat	gttactcttt	acttagaatt	aatgaaattt	aatcagggat
12361	attcgactat	aaacatgata	taaacatcct	acatactgtg	ctaggaattc	aaagattttt
12421	tttttttttt	ttgagacaag	gtctcactct	gctgccaggg	ctggagtgcg	ctgggtgaat
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12601	gatggagttt	tgccatttgc	ccaagctggt	ctcaaactct	tgagctcaag	cgatcagccc
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12721	aaatctttta	acttgagttt	ataatcttgt	agaggaagag	acacatctgt	aaccataata
12781	tgaagccaaa	gaacatgggc	ttgggtgtgt	ctgaaaggaa	ggtaagataa	cacaagcaag
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13261	atttaagcta	gatattaaaa	tatgagcagg	ataagtagag	tttcaccaa	aagtaaaaaa
13321	gcattctagg	cagagaaaaa	agcacatgca	aagacagacc	atattacagt	tgaacaatgg
13381	catgcagttt	tagggagggt	catcagatga	taagaagggt	aataagtaag	gccaggggct
13441	gtggctcacg	cctgtaatcc	cagcactttg	ggaggccaag	gcaggtggat	catgaggtca
13501	ggagattgag	accatcctgg	ccaacatggt	gaaacccctg	ctctactaaa	aacacaaaaa
13561	ttagctgggt	gtggtcacat	gcctgtaatc	ccagctactc	aggaggctga	ggcaggagaa
13621	tcatttgaac	ccaggagggt	gaggttgcat	tgagccgaga	tcatgccact	gcactccagt
13681	ctgggtgtgt	ccagtccag	caagactcca	tctcaaaaaa	aaaaacaagg	gtaagtaata
13741	ttaaattgtg	aggcacttgc	ctcactacta	gaaattgtag	gtgatgagaa	gacaatcaag
13801	gtttctaaag	gaagagggtg	aaggggagca	gcattgatcag	ggctatgttt	cagaagggaa
13861	actgtataaa	gtacagactg	gaatggtaag	acacaggagg	aaggcaatag	agcataatgg
13921	ctaagattac	aaggctctgaa	cttaagacaa	cctaatacaa	attctgggtt	tatagcttaa
13981	tagctctgca	accttgggca	agttatttac	tctctctgtg	ccctcatttt	ccccagctgt
14041	aaaatgggaa	taataatagt	actttatcag	gcacaagcca	ccacacctgg	ctattttatt
14101	tttaattttt	gtagagacag	gatcttgcta	tggtgtccaa	gctgggtctg	aactcctcaa
14161	ctaaagtga	gtccccacct	tgctctccca	gagcactggg	ataacaggta	tgagcactcg
14221	tgcccagccc	atagttccta	attacgcctt	tttgattttt	attaatttat	ctttctctta
14281	ctgccttaag	ttccatgaaa	tcacaaaact	gtgtctcacc	gctgaattct	tagaaatcag
14341	cacaatggct	ggcacagcat	gagtgtctga	taaatacttc	ttgaatgaat	gaaaggttcc
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14461	cacagaagaa	gacagtttga	agtaagggat	atttgagac	ttgttccctc	tgcttcccc
14521	tggttcttaa	gtcagttcta	tagttctgta	aagctttaca	gaatgcagtg	caaaaaccat
14581	tgtctgttac	aagcaagaag	taatgtatgt	ctgaagtaag	gcaatgacaa	taaagatgca
14641	acaatagctt	tgagaactat	ttatgacagg	ccctgacaac	caattacagt	aggccctctg

FIGURE 4-E

14701	tatccatggg	ttccacatgt	gtggattcaa	ccaacctgag	atgaaaaaca	ttttRgggaa
14761	aaaaaagcat	ctgtactgaa	gatgtataaa	cttttttttc	ttgtcattat	tctaacaat
14821	acaatgtaac	aactatttac	atagtattta	cattgcatta	tataagtaat	ccaaggatga
14881	tttaaaactat	acgaaggacg	tgtgaagggt	atatgcta	attataccat	tttatataga
14941	gacttgagca	tccaaggatt	ttgggtatctg	tgtgaagtcc	tggaaaccaat	ccccacagat
15001	gctgagggac	aactgtataa	atgaagaatg	agaaaaggaa	aattcttgaa	gcacctctaa
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15121	taagagtggc	tgggcacggt	ggctcacggt	tgtaatccca	gcactttggc	aggtcaaggc
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15241	ctccactaaa	aatacaaaaa	aattagccgg	gcacggtggc	aggcacctgt	aatcccagct
15301	acgagggagg	ctgaggcgag	agaattgctc	aaacccagga	ggtggaggtt	gcagttagcc
15361	aagatcacac	aattgcaatc	caccctggga	aacaagagca	aaactccatc	tcaaaaaaaa
15421	aaaaaatgta	agagtaacaa	taacaatttc	cattcatctg	aacatagtat	caccctatc
15481	aagcaaatac	tattaatacc	tattagctat	agaataaatc	tttcacgtag	ttaagcaact
15541	gtcatgatct	tcattagcaa	agatcatgag	gctaataagt	agcagaatta	agtttcaaat
15601	ccaagactgt	cccatcctaa	gccccaaaatc	taaaccgtct	tgctatattg	gcaagcagtt
15661	tgagagttag	gtcttagacg	tgagatatct	actggatata	cagttagaaa	taatcagtaa
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15781	ataaatccag	aagagtgtct	atgagaagat	catgcttgct	tgtaaggcct	gtaaatgggt
15841	gatgtacgca	tttgcgattg	aagtttgttg	atttaccaa	gtctctgcct	tgcatagatc
15901	tagtgggcat	cRgcattaag	agaggaagta	aaaaacttta	ggagaaattc	catagctctg
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16021	tgacaccaat	gtcaacaaaa	aaaaatgaga	cagcaaaggt	gataaagaga	atagatttgg
16081	ggatcatcat	tttctcttct	gcttgagatt	ccacagctct	caacaaaaat	gactattatt
16141	tgtgtatggc	tctttacaac	taacaaagtg	tttccattt	acaaggtatt	tcctgtttac
16201	caataatgtc	agatgaacct	tacaacagct	gtttaagggt	agggcattat	tattttcact
16261	ttaccaaaaga	ggaatgaagt	ccagaaaagt	taagtttacc	ttgtctaagg	tcatacagct
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16381	cagaagactc	acctgagata	acatgagcca	ctcacttatg	aaccaagagt	catcatccct
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16561	accttgtgga	aagtccctga	gctgtaaaact	ttgtgtactt	ttctgtatat	atgtcatact
16621	gtaattatta	aataccaggc	aagccagggtc	aggaggcttg	cacttgtaat	cccaatggct
16681	caggaggctg	agatgggagg	atcaacttgag	cccaggaatt	caagaccagc	ctgggtgaca
16741	aagcaagacc	cccatctctc	aaaaaaaaaa	aaaattcagc	tgggcgcgga	agcttacacc
16801	tgtaatctta	gcactttgag	aggccgaggc	agacagatta	cctgaggcca	ggagtctcgag
16861	atcagcctga	ccaacatggt	aaaaccacat	cttactataa	aatacacata	cacacacaca
16921	cacacacaca	cacacacaca	caatctagcca	ggtgtggtgg	tgacgcctta	taatcccagc
16981	tactcagaag	gctgaggcac	aagaattgct	tgaacctgga	aggtggaggc	tgacgtgagc
17041	tgagatcata	ccagtctact	ccagcctggg	tgacagagt	agactctgtc	tcaagagaaa
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17161	aggaggctaa	ggcaggagga	tcacttgagc	tcaggagttt	gaggcttcag	tgagctacga
17221	ttgtgccact	gtaccccgag	ctgagtgaag	cagcaagatc	ccatctctct	tttttttttt
17281	ttgagttgga	gttttactct	tggtgcccag	gctagagtgc	agtggtgtga	tcttggtcca
17341	ttgcaacctc	cgcttccag	tttcaagcga	ttctcctgcc	tcaacctggc	aagtactggg
17401	gattccagggt	gtctaccacc	accccagct	aatttttgta	tttttagtag	ggacagggtt
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17521	cccaaagtgc	tgggattact	ggcatgagcc	atcgcgctg	accaagatcc	catctcttta
17581	aaaaaaaaaa	aaaaaaaaaa	aaaggcaag	ccaaactgat	aatcaaaact	caggaacact
17641	aagttggatg	cgctacattt	tttactcaat	ttctcaaa	gtagctacat	ataggacatc
17701	taccagttat	ataaggatgt	acaaaattct	tgacactca	aataacatat	ccacccaatt
17761	gtcccaatcc	agactgtctt	agtgatgtga	aagaatctga	caggactgga	agtaacagaa
17821	gcccaggaaa	ggcgaggat	ttttgttaat	gaaaacaaaa	atggcattga	aaatggaact
17881	atcctacatc	atcatcaatg	atgagataac	tcaatttcag	agataacaaa	aatgtgaaaa
17941	aaaaatggcc	agtgaacatt	ggaagatact	atcaattgta	aaatacacc	caatttcagt
18001	gttaaaatat	taaaaaagca	aaaaaaaaaa	aaagaaagaa	agcattttta	aacaaaggaa
18061	atatattcta	atctcaaaa	gtagctcaat	tgtgggataa	cagattttgtg	aagcacactc
18121	ctctgtacaa	gctctttggt	ttagatgata	ggacactaaa	gccttcattt	aagttattaa
18181	ataaccttac	taaatataag	ctcacacatc	agaaagtga	taactacaat	tacaaagctg
18241	gttccttcaa	tgctcggtct	cctgccacta	cccagatgcc	tcctttaaat	ccaaaagaag
18301	atttacatat	taattccata	ttaaaactct	attttgactt	tcatatttct	ttacttcatt
18361	aactcactaa	aaaataataa	aagttaacct	ttaaaaatca	attaaagctg	ggcgagggtg

FIGURE 4-F

18421	ctcatgccta	taatcccagc	acttttgaag	gctgaggcag	gtggatcact	tgaggctcag
18481	agttccagac	cagcctggcc	aacatggtga	aaccccatct	ctactaaaaa	tacaaaaatc
18541	agttgggcat	ggtggcaggc	gcctgtattc	ccagctactt	gggaggctga	ggcatgagaa
18601	ttgcttgaac	ccgggagggtg	gaggttgtag	tgagccaaga	ttgcaccact	gtactccagc
18661	ctaagaaaca	gagcgagaca	ccgtctcaaa	aaaaaacaaa	aaaaaacaaa	aaacaaaaaa
18721	acaaaaaact	aagctgggtg	cggtggctca	cgctgtaat	cccagcactt	tgggaggctg
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18961	gccaaagattg	tgccactgca	ttacagcctg	ggcaacaaga	gcaaaactac	atctcaaaaa
19021	aaaacataat	aataattaat	taagatgaaa	cgatgtttag	gaaacttcac	ttcttgctta
19081	tacaagtttg	ttttccttgt	tcttcaaaac	cagtgaagca	atacaaagtt	agataaaaaga
19141	caaaattagt	aatctcccag	cccctttcca	ttctctcca	aggcctccta	caagtgtaga
19201	aatggttaaca	tattttttgtg	tccccaaaaa	acataaatac	aaatatattg	gaaagggttt
19261	tggtgttctc	tgtttttaga	aaactagggtt	taaaactttac	acattgctct	gcaacttatc
19321	tcataaaca	atttatcaac	atctcccaaa	gcatacaata	ctaaaattct	aactcatact
19381	tttaaaaagc	tacataaaag	ggatatccat	aacgtgttca	caattttttc	tgcatttttc
19441	tattgaggga	atggctattt	tcagtgttac	catttcaaac	aatgctgtaa	tgagtatcct
19501	tgacgtattt	caagttaaag	aaaaaaaact	atttctacac	acataacttc	cttgtgtgcc
19561	catgttttga	ttactcctgg	tctcatcatc	atccctacct	cccttgctca	gagaatcatc
19621	ctcagggtcc	agtgtgatga	caggagcaaa	agtaacttgg	agaatgtcaa	gacaagacat
19681	gtgatagtta	ctgttggtaa	attggaaatg	gcctgtcttg	gctgcctctc	tcagtcactt
19741	gcacatgcta	tcccctcct	ccccttacat	gtgctccctg	ttctggtctc	agcagctgct
19801	tccaactcaa	ctgatgtgag	cacagctagc	tacYttgtca	cactcctaaY	cctggcaagt
19861	gcagacaggc	ccaggagctc	tccaacaact	tggaaggag	aaggaataca	tctactgtg
19921	gaaataatat	aatacggagg	tatctagagt	aaaatgtaaa	actccctctt	cattaagcct
19981	caaccacat	ttgccagtga	cactcccag	ctcagaagt	accactgtta	gaagtctgtt
20041	gtacaacctt	ttggattttt	cctaagcatg	tacacataca	ggtatatatt	cacatacagg
20101	tatgtgtgtt	tggtctacat	atctgtaatc	ataccatata	atatgttctg	caactggccc
20161	ttttcatgta	Maaattttatt	tgacatgttt	ccataccagc	aaaaaacaga	ttctctacat
20221	ttttaattaa	ttttttttga	gacaaagtct	cactctgtca	cccaggctgg	agtgagtggt
20281	caccatcatg	gctcactgca	acctcaacca	cctgggctca	ggtgatcctc	ccacctcagg
20341	ctcctggtag	ctgggactaa	agggtgcgac	caccataacc	agctaattta	tttgtagaga
20401	tgggatttca	ccatgttgcc	caaactgttc	tcaaactcct	aggctcaaac	aatccgcca
20461	ccttgtcctc	ccaaagtgtc	gggattacag	gtgtgagctR	tcatggctgg	caattcctta
20521	aacttttaaa	agcttRaaaa	aatcctatgt	aagaatgtgc	cacaacttta	ttttcccat
20581	tgtctacac	tggaatttta	ggtgtttcac	agtgttttgc	atgtcaaaag	atgtgttatt
20641	gataacactg	gcagcacatc	tctaatttta	cacacaagct	aatattttct	taggatatat
20701	accaataatt	agaattaatg	ggttgaaaag	cttgtgtatt	ttaaattgtc	acagatattc
20761	ccaaattacc	atctaaaact	gtgtactagt	ttatagtctc	accaacagag	gataaaaaat
20821	cccattctaca	cccttctacc	aatattttt	atcaatatat	aagatagaat	atatattgtg
20881	tttaatttat	atcttatttc	cagaaaagtt	aaacatctcc	tcacatatgc	aactgttcat
20941	tcttatttct	tatgaaaggt	attaccattt	tgatttttaa	catgagggtt	cagagatgct
21001	agagtgcac	aaccagtaag	tccagacatc	aaagctgttt	ttttaacaat	ttcccatcaa
21061	aactaggcct	ctttctgtca	agtgtaatc	cccctaccag	cagccagcaa	actatggcct
21121	ataagtttag	agcccatatt	ttgtaaatca	ggttttacta	aaacgtagcc	acgcccattc
21181	atttaagtat	tgtctatggc	tgcttttggt	ctccaatggc	agaggtaggt	agttacaacc
21241	acatggtctg	caaagcctaa	aatatttact	actggggctc	aaacagaaac	aataacttgc
21301	ctaagcacag	tgactcacac	ctgtaatccc	agtgttttgg	gaggctgaag	gtggtggact
21361	gattgtctgt	tgagcccagg	agttcgagac	caacctgggc	aacatggcga	gattccatct
21421	ctacaaaaat	tagaaaaata	gccagttgtg	gtggcatgca	cctgtaatcc	cagatactca
21481	ggaggctgag	gtgggaggac	tgcttgagcc	tgggaggcca	aggccgtggt	gaactgccat
21541	tgtgccacca	cattccagcc	tggaagacag	agtgagactc	catgtcgaaa	aaacaaaacg
21601	cacacacaca	aaaaaaacaa	gagttaaaaa	ctaaagaaaa	gctcaggtct	gggcacagtg
21661	gctcatgcct	gcaatcccag	tacttaggaa	ggcttagcga	gaccccatct	ctacaaaaaa
21721	taaaaaaaat	taggctaggc	acggtagccc	acacctgtaa	tcccagcatt	ttggggaggc
21781	gaggcgggcg	gatcacgagg	tcaggagaat	cgagactgtc	ctggccaaca	tggtgaaacc
21841	ccatctctac	taaaaaataca	aaaattagct	ggccgtgggtg	gcgtgtgcct	gtaatcccag
21901	ctactcagga	ggctgaggca	ggagatcact	tgaaccaagg	agttggaggc	tgagtgagc
21961	cgagatcgtg	ccactgcact	ccagcctggc	gacagagcaa	gactgtctaa	aaaaatttaa
22021	aaaattaaaa	attagccagg	cacagtgtcg	tgtgcctgta	gttccagcta	cttgggaggc
22081	tgaggcgagga	ggacccttg	aaccaaggag	ttcgagggtg	cagttagcta	tgatcacacc

FIGURE 4-G

22141	acggcactcc	aaaatctggg	tgatagagca	agaccctgtc	tcaaaacaaa	aaaagaaaa
22201	cttctcagtg	gggattagtt	atgggtctaat	tggccacagc	cagagcatgg	ctatgttaca
22261	gtgtgtggct	catttttcaa	taactttata	tgcagtatag	gtctggtata	taatcccaaa
22321	ggaaagagcc	caaaacactc	aaatgaagtc	aaaagactta	tctttactta	tgggttgcaa
22381	cactaaaaga	ttttctatgc	actactcttc	gtcttccttg	tttcttttct	tttttttttt
22441	tttttttttt	ttgagacaga	gcctcattct	gttgcccagg	ctggagtgc	gcggtacaat
22501	cacagtttac	cacagcctca	acctcccagg	ctcaagcgat	cctccttcct	cagactcctg
22561	agtagctggg	accacaggca	ggtaccacca	cacctggcta	atttttgtat	tttttgtaga
22621	gacagggcct	tgatcatgtg	cctaagctca	tctcaaaactc	ctgggctcaa	gtaatcctgc
22681	ctctgcctcc	caaagtgtcg	ggattatagg	catgagccac	catgcctggc	cccttattta
22741	atttcatctg	gttccctactg	tccttcaatg	attttgacaa	tgtagtctct	acccacacac
22801	cacaataata	caaaacccaa	gcaaactcca	ctatgtctgc	tgctaaacac	ccccacaaa
22861	cacacataca	catcacacca	caccacacaa	cacaacacag	gtgtctcctt	ccctttgtct
22921	agcagattcg	ctaggaagca	gctgcacatt	tccagcaagt	cgaacaaact	gctgagagct
22981	agggcccctg	accattgttg	gaaaggaagg	ccaattctcc	cctctagatt	gtacccttct
23041	gaagatcctg	gccatgaaag	aagtcatctc	tccagagaat	tttaagccat	tcagttccta
23101	tacggcagcc	aggaaagtg	tcactctccc	catatcatca	gtggaggaga	tcagtgtaac
23161	ttgtttcatt	tcctcttact	tcaaaaSgtc	attttaagta	atagggtc	ttaggtata
23221	tcagtgatct	ttttaatttc	tcctcgcat	ctctcccaaa	ttttggtttt	acaaaataat
23281	ggttaaaaaa	aaaaagctat	catactctcc	acgaaattta	acttaatact	gaattttgaa
23341	tgagaaatta	ataatcaaag	aacagtgc	tttaggccag	gcgcggtggc	tcactctgtg
23401	aatcccagca	ctttgggagg	ccaaggcgag	cagatcacct	gaggtcagga	gtttgagacc
23461	agcctggcca	acatggtgaa	accccatctc	tacttaaaat	acaaaaaagt	agctgggtgt
23521	ggtggtacgc	acctgtaatc	ccagctactt	gggaggctga	ggcaggagaa	tcgcttgaac
23581	ctgggagggtg	gaggttgtag	tgagccgaga	tcgtgccatt	gcactccaga	ctgggggaca
23641	agagtggagc	ttcgtctcaa	aaaacaaaca	aagaacagtg	cattttctta	cacaaataag
23701	caggtattaa	gtggttctct	ggataggaat	ttggcaatac	aaatcaaaat	taatgcctat
23761	aatcctagca	ctttgggagg	ccaaggtggg	cggatcacct	gaggtcaaga	gtttgaaacc
23821	agcctgacca	acatggagaa	acccgtctta	aaaaaataca	aaattagctg	gcggtgggtg
23881	cacatgcctg	tcaccttagc	tactcgggag	gctgaggcag	gagaatcact	tgaacctgga
23941	acaggtggag	gttgtagtga	gctgagattg	tgccattgca	ctccagcctg	ggcaacaaga
24001	gcgaaactcc	atctcaaaaa	caaaacaaaa	ccttgatatt	tgggccagg	gtggtgggtg
24061	cacatgccca	aaatcccagc	actttgggag	gctgagggtg	aaggattgct	tgagcccagg
24121	agttcaagac	cagcctgggc	aacatagtg	gacctcatct	ctacaaaaaa	taaaaaatta
24181	gccaggcatg	gtggtgcaca	cctgtggtcc	cagttactcg	ggaggctgat	gtgagaggat
24241	cacttgaacc	ctgaaaggtt	gaggctgtgg	tgagctgtga	tcataccact	gcactctagc
24301	ctgggtgaca	gagtgagacc	ctgtctcaaa	acaaagaaac	aaagaaacaa	aatgctctat
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24421	tgaagtcagg	agttcaagac	cagcaatctt	ctgcctcag	cctcccaaa	tgctgggtgt
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24541	ttacaaaaac	tcaaaaaaaa	aaaaaaatac	aaaaagctgg	ctgggtacaa	tggttgagc
24601	ctgtcatccc	agcacttttg	gaggccaagg	taggaggatt	gcttgagccc	aggagttcaa
24661	gaccagcctg	ggcaacacag	tgagaccatg	tctctacaaa	aaatttaaaa	attagccagg
24721	tgtggtggca	tacacctata	gtcccagcta	ctcaggaggc	taaggtggga	ggatcacttg
24781	agtctgagcc	tgggaggctg	aagccataat	aagctgtgat	cataccactg	cactctagcc
24841	tgggcaacag	agtgagatct	tgtgtcaaaa	aaaaaaaaaa	aagaaacaaa	aagaattaaa
24901	aaaaaaaaaa	tctcatgttc	tttcatcaaa	taattccaat	cacagaataa	aaagttagg
24961	aaataatctg	aaatacaaa	atatatggac	attaatagaa	ttatttatca	ttctgaaaaa
25021	ctgaaggaaa	actaaatatc	taacaataac	ttaaattatg	gcaagaatat	acatatgatg
25081	aaatcttatg	cagtcactta	aaatgtttta	aataagtttg	gctgggtaca	gtggctcacg
25141	tctataattc	cagcactttg	gaaggctgag	gtgggatgat	tgcttaagcc	caggagttca
25201	agaccagcct	gggcaacata	gtgactcca	cttctacaaa	aaataaaaaa	aaaaaaaaata
25261	actgggcatg	atggcagtcg	ctgtagtYc	ayctacttgg	gaagctaaag	cggaagatc
25321	acttgagccc	aggaggtcaa	ggctgcagtg	agctaggatt	gcaactgtac	cactgcactc
25381	cagcctgagt	gacagagcaa	ggcccgtct	ctggggaaaa	aaaaaaaaagt	tttaataaat
25441	tttaatgaca	tggggaaata	ctcaagaaaK	gttgaatttt	aaaagcagga	tataggctgg
25501	gtgcagtggc	atatgcctgt	aatccagccc	ctttgggagg	ccaagcgagg	tgaatcgctt
25561	gggctcagga	gttcaagacc	agcctgggca	acatggtgaa	acctgcctc	tacaaaaaat
25621	acaaaaatta	gccgggcatg	gtggcatgca	cctgtagtcc	tagctatttg	ggaggctgag
25681	gtaggaggat	tgcttgagcc	cagaaggttg	aggctgcagt	gagctgtgat	cgtaccactg
25741	cactgaagcc	tgggtgagag	agtgaagccc	tgtctcaaaa	caacacaaaa	aaaaaaaggc
25801	aggataaaac	tattatggtg	tggcccat	tttgaaacta	tatatacaaa	tatttataga

FIGURE 4-H

25861	cagatagata	tatcatatatac	atattttatcc	ctctccccac	atacttgtga	gtttgtatat
25921	gtgtatgtat	acgtgtaagg	aagtatacca	aataatgttc	atctctgagt	tgtggaatta
25981	tgggtgcctt	ttactttccc	ccttaacaca	ttatttttca	tgttttctaa	atagtaccat
26041	catatacaat	taggaaaaaa	ttactttcat	attgtttaat	ctagtaatct	atctgtagat
26101	atgtatcata	agaaaaatac	caaaaacgta	gacaaaaact	tatgcataat	aatgttcata
26161	taaagataca	cagaaaacta	ttaataaata	atggttactt	ctgcaggcca	gaattagggg
26221	aaagacttat	ttggggactt	atctgttata	tctattacaa	aaatgatttg	aaaaaaattc
26281	cattattatt	tgaaaaaac	tgaaagcata	taaaaatcct	atatgataga	ctattatgca
26341	gccactacaa	atattttatga	agagtatata	taaatttata	taatgaaaaa	atggtaaatg
26401	gggaaaaaag	cagaatataa	aattttagggt	aatatatgat	ctggaaattg	caaaaccaga
26461	aatatacaag	cacaaaatac	tgaaagaaaa	taggctaaaa	taagaacagt	agttttctcc
26521	agatagtggg	attacgggtg	atctcagttt	tcttccttat	acttctctgc	gtttttcaca
26581	tatcctagaa	tgaatatata	ctatttttca	atcaggctta	aaaaatgttt	tgtgtttctg
26641	ccctcgttat	aaaagcctgc	tcctgtgtgt	aaattttatc	cacaaaggat	tatctagggt
26701	aagcaacca	ctagcaagaa	gactgttcat	aatgtatatg	cctaagaaaa	tcattcttgg
26761	tgggtcagtg	agctcagttt	aaaggacac	agctctgacc	acttctctgc	ttcttgcttt
26821	tggagtgtgt	ttagtaataa	taactgagga	atcaagttct	caaacatgag	atgcctgaca
26881	aacttaatac	tgtactgtaa	gaaccaggac	caccaccttc	tctcaacctg	ctctcaatga
26941	ctttacactt	aagaatagac	aagaccgggc	cgggcgtggt	ggctcatgcc	tgtaatccca
27001	gcactttggg	aggccgaggt	gggaggatta	cctgaggtca	ggagtgtgag	accagcctga
27061	ccaacatgga	gaaaccccat	ctctactaaa	aatacaaaaa	ttagccgggc	gtgggtggac
27121	atgcctgtat	tcccagctac	tcgggaggtt	gaggcaggag	aatcgcttga	accaggagg
27181	cgggggttgc	ggtgagccga	gatcacgcct	atagcctggg	caacaagagc	gaaactctgc
27241	tcaagaaaaa	aaaaaaaaaa	gaatagacag	gacctaaata	acatagattg	ggtcatgtta
27301	gtctgtaaat	caaaaacact	taacagctaa	ttacatgaag	aataaaatcc	aaatttctta
27361	gcataacgct	taaggtttct	taagattccaa	ccctcaaat	tccttccag	cctcatcttc
27421	agttcattcc	ctaaaatata	ctctacctca	ggcacatttt	ccccatacat	gccaggcatt
27481	ttccaagctg	tgtgcctttg	cccattggtg	gacctccatt	aaatgccttg	tctcctaaac
27541	ctactgaact	cctattcttc	ctttacaacc	tggctcaaat	gccttctccc	aaactctcct
27601	tatgccccc	accatcagga	acaattgttc	tttctcttat	gtgctcccat	attgcttgg
27661	cctctacaaa	cttaattaca	atcctccctg	ggtggatgct	agctgtaata	cttgtttcat
27721	tttactaaac	tcctggaggg	cagaaacat	tttaaaatca	tttccactcc	agcacactgc
27781	ttgcacacag	taggtactaa	atatgctgcc	tgagtaaatg	acagccaatt	ggcccttate
27841	tgaattcttt	cagtgggtaca	gccagggatg	gcaaattgtc	aaagctagtc	cctctaattg
27901	caagttatac	atatagcatg	agtgaccagc	agaaaatgcc	aagggcctgc	cactttaaga
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28021	agaagagaaa	tagggagatt	aagaggtgtg	gattctacag	gtcacctcct	cttcttagtg
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28201	ctggccctgc	tcttgggcat	taacttccaa	ctgggtacaca	aggctttttc	tctaaatgaa
28261	tcccactgta	ccaatcacta	ggagaatccc	tttaaaaaag	gcttgaaatt	aataacagca
28321	ggaaacaaa	tctctcaatc	ctctgataca	caatatccac	actgtccatt	tgtatgaaat
28381	tcacccccac	ctccttcaaa	caataggtcc	taccaaggaa	tgacttctct	caggaccaac
28441	atgtcctgtg	attgtttttc	tggagcaagc	ttccagtgcc	tgcttctcat	taaatagcta
28501	cttaatgtct	gatcacccag	ctgtgactat	aagtagagag	taaagtaact	ataatttagg
28561	aagtaaaaaa	gaaattccac	tcctacccca	agtccagtag	tcaaacagct	tagaatagac
28621	atctccctac	ctcaaacctt	cttaggctta	tccaattttc	agatctagaa	tttttagcat
28681	ctcttaactc	tttcaatata	aaaatgagga	aaacaatgtY	tagagtaaga	aagagaattg
28741	caaatgatta	tacagtaact	tagtcacaga	atcttttgac	caggctgtct	aacacctcat
28801	ttaaactgatg	agttttcaag	accactgttt	ccaggaacag	gttacagggc	actacaatat
28861	aatcagctta	atttgcata	attcaagata	acagccccta	ggcttgacct	cttcaccatc
28921	ttcctgccta	ccttttttca	aaccacaaac	tgctaacaac	aacaaaaaaa	tcaatgtagt
28981	gatttaatac	atcattttctg	cctaaaaaaa	gactggagct	accaaacat	ctgcttcagc
29041	ctcacccact	ggggttcatc	ttgattgtat	tgggtgtgtt	gggtggcag	ggctgccaca
29101	gcctgaagaa	ctcttccaac	tctttctggg	ggtcttctgg	agatgggact	gcaatggctc
29161	ctcagctgca	gtttcctata	gagcaacatg	ttgaaacaca	cttgttccct	caacacactt
29221	gtgtttcagc	cctcaacaca	cttgtgattt	gggaggagta	ccaggagaaa	gaccagtttt
29281	tggcaggcg	cggtggctca	cgcctgtaat	cctagcactt	tgggcggcca	aggcggtgg
29341	atcgcttgag	gtcaggagtt	caagaccagc	ctgaccaaca	tgggtgaacc	ctgtctctac
29401	taaaaataca	aaaaattagc	tgggcatggt	ggcacatgcc	tgtaatcata	gctactaggg
29461	aggctgaggc	aggagaatcg	cttgaacccg	agaggtggag	gttgacgtga	gctgagatcc
29521	cgccattgca	ctccagctg	ggtgacagag	agagaccctg	tctggRaana	aaaaagaaaa

FIGURE 4-I

29581	gaaaggccag	ttttctccat	tatttagtca	ccccaacctt	taagcaagca	tatgcacagt
29641	cactataaag	gaaagtgact	tgttttccag	cagacatttc	taattcttatt	aaatcaaagt
29701	aaaactgcaa	tcaaaatact	ctccttagga	agttattttac	ttatttctaac	aaaacacttc
29761	tttgggagct	gccttttaaag	tctactccat	gtgagacaaa	cagaaaaat	cggtgttact
29821	gttttatagt	cacacctcat	ccttcaccaa	aaaaggtatt	gccttgcatg	aatctttggc
29881	tcacggcatc	ttctggctgt	ttctaaaaat	tgaatccacc	aagctaagag	taaagatttg
29941	ctacctctga	ggatattcaa	aagattggct	cagaggcagt	ctgaggcaat	gacaccatca
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30061	tctaattgcc	ccataattac	aatcaagggg	gcaagacatg	tacaatatct	gcacatttg
30121	ttcaactatt	atatcacttt	ataattacac	attaYataat	gataaaat	ggccctggaa
30181	gaaatcttca	agatcatata	atcctaactg	tcccttttta	catatgagaa	aagttcagtc
30241	cattgagggt	aggcaatttg	tccctgggtca	cacatctggt	tagcaacagt	caggatgaga
30301	aaccagagca	cccaaactcc	cagcataatg	cacccacaca	tacttatgta	tacagctcct
30361	cctcccctgc	ttctcacttc	cttcactccc	ctgatcaaaa	gggacagaaa	taactttggg
30421	cactaaagca	caccaagaat	ggttctgaaa	cccagtagca	gagaaatgat	ggcttaaaaa
30481	ccaggacttc	tctgcagtgg	cctcaatggc	caatgtttag	tgtctggtc	acaagagttc
30541	tgggcaatct	acctcagagc	aagggccaat	gaaaacctct	ggacaccacc	gtccacagt
30601	tagaaaaata	tctttattaa	acctctctgc	tctcctccta	cagtaacctg	tttgccctcaa
30661	ataattgaaa	gacaaagaca	atcactttga	agaatctggg	tcagggaaaa	agtaaatggt
30721	agagatcctg	ctcaggacaa	agctgacctt	tSaaaaacta	gagggcagaa	accattttga
30781	cttacctcct	ggtggaagcc	tccacacact	agaacagggt	gatctccagc	agctctggtt
30841	agaattagtt	tccacctagg	gaaggggcaa	agggacagga	atgattattc	attcccctaa
30901	cccaccact	cttagtgagc	tcagcctcac	attatcctgg	gcaaccccag	cgttctgtgg
30961	atcagacagc	aagcagaagg	gaagccatgc	aggccaggtc	aacggggtga	gtcagtgcca
31021	gagcaggaag	agtcactggg	gcagaaatcc	tgcccttctg	tggcaagact	gccaaagccac
31081	acccacactt	ggtcagcact	gtgaaggccc	tgccctgtta	ggatttcagt	ctttaagcca
31141	gaaaacttct	tcctcaggag	gccccacacc	actctcattt	tcaagtgtct	ctcctcctgc
31201	tcaaaaatct	tccagttttc	ttctccctaa	agcatcatat	ctaaattctt	tggtctaact
31261	ttccaaatcc	tccattatat	ggcctcaagt	catttattca	accttatttc	ccactattct
31321	acagaatata	ctctgaattg	atcaaggcag	tcttcccact	tctctctgcg	tgagccaagc
31381	cttttctcat	ttccctgctt	tcaattatcc	aggagtggta	aattcaaaaca	tcttcagggg
31441	tcaggcaggt	aacagaaaca	aattatccag	gcaaggccca	gtggctcaca	gcggtaatcc
31501	cagcactttg	ggaagccaag	gtgggcagat	cgcttgagct	caggagtcc	agaccaacct
31561	gggcaacata	gtaaaactcc	gtctctacaa	aaatacaaaa	aattagctag	gtgtgggtgga
31621	gtgtgcctgg	gtcccaccca	cttgggaggc	tgcaagtggc	tgagaccgtg	ccactggact
31681	ccagcctggg	caacagagcg	aaaccacgta	tccaaacaaa	acaaaatgaa	tgatccagtg
31741	gggcacatgg	cagatctagg	aaacgctgca	ccccctaaa	ggcattcaaa	tattttaatt
31801	caaatattta	tgtagtgtct	cactgtgagc	atcacgataa	ccttttaaat	agttattaat
31861	actctatctt	gcaaatgaga	aaacttcccc	aaggttaggt	aactggcaaa	atgctgggca
31921	cagtctctag	acctgtctga	tgccaaagca	agagctctac	accattaggc	ttctagcagt
31981	gcaaacacca	tgaagatac	agaacctcta	aagtcacttt	tcatgataca	caaccttaatt
32041	agtaggatgg	gaagcccaaa	tcacagctta	tctaaccata	tcccaactgc	ctccaattct
32101	gttcattttc	caaaccccat	ctttctgcca	aagtatttca	ttcctagtta	tccaagtctt
32161	actgaattcc	ttcttctgta	aattcctata	gggtttatag	attagacaac	acaaataagt
32221	gctaatttat	atactgtctt	gcaaaatcag	atactgcttc	tatgtatttt	agtgtcagcc
32281	tcatcaatca	aactattgta	ttaacttata	tagttcttct	acaaaaatg	cctaacctga
32341	atctaataca	gaagaatcag	acaaatgcta	tgaagacaaa	aaaggcattc	agattaaaaa
32401	agaactgttc	aaagttaaag	cagactaaag	acatgatagt	catgacaact	aagtgcataa
32461	atacatgcat	gatccttcaa	tgaatcctga	attttaaaaa	actcaataaa	agacatcact
32521	gggaaaagat	gagaaatctg	aacaagtatt	atatactgga	tgtattgaat	caatgttaag
32581	tttctgaggt	gttaatagta	ctgtagtatt	ataggaagat	acctttttct	taggaaatac
32641	ttgctgaaat	agggattaaa	taacatgata	tttacatcta	acagtcaaaa	agattcagaa
32701	aatgaaggay	aaatagacag	caaatttggc	aaaatgttaa	tagtgactct	aaatgagaag
32761	tatataagta	tttggttacat	tattttgcaa	aatatctata	ggtttgaaaa	ttttcaaaat
32821	aaaataat	agtaaggagg	gaaatcctgt	attatatact	tttttatata	ctcagctctg
32881	tgacagatat	aataggcact	cattacttta	ggtatctgct	cactacctaa	ggaaactggg
32941	catttgaggg	tcaRcaatca	gacagagtcc	actttgctgc	agctcatgag	gggtatagta
33001	ggaaaattctt	agggataaag	aggtttctcc	aaaactcaca	ttgtcacacc	acaggaaatc
33061	tagaaaagca	ggcaattacc	tactctctca	ttgaggccat	cacagaagta	caggcactga
33121	acaaatgccc	actcgctagg	cagaatgcag	ctgctgcccc	cacgttagta	cccagtggtg
33181	aggtggatac	aatgtgacct	cagaggacca	agagttgagg	tcacattgca	tccaccttgc
33241	caccgggtac	caaaaatttg	acaatctgca	aaacaagtg	ctctggccag	tcacaggaag

FIGURE 4-J

33301	gcactcaagt	atcaaataaa	catgcctgaa	atatatgcag	tctttcctcc	tcaccagata
33361	aaccagtcct	cagctgcaat	aaggcagaag	aatctgcaa	ggctgaatca	ctgggtatttc
33421	ctgtgcagac	ttcaaagaaa	ctggcccttc	aataggacag	aaagggcagg	cgacacagct
33481	gccaacagag	gcctcaaccc	aggagcatgc	tatgcaataa	tgcttctctt	cccttctaca
33541	gccatcagat	acctcatttt	tacttttgcc	aatggcccc	ttattaccgc	gactgattac
33601	ctaatagcca	accttttacc	ttggttctct	cctcccctca	atgagaccca	agatactggc
33661	ctttctagac	agctcctcct	ccaatttgcc	agaggaattg	tcaaaactat	tcccctggcc
33721	aggcRcggtg	gctcacgcct	gtaatcccag	cactttggga	ggccaaggcg	ggcggtatcac
33781	actgtcagga	gatagagacc	acggtgaaac	ccgtctctta	ctaaagatac	aaaaaattag
33841	cYgggcgcgg	tgggcgggtgc	ctgtagtccc	agctactcgg	gaggggaggc	tgaggcagga
33901	gaatggcgtg	aacctgggag	gcggagcttg	cagtgcgccc	agatcgcccc	actgcactca
33961	agcctgggtg	acacagagcg	agactccgtc	tcaaaaaaaa	aaaaaaaaaa	aaagtgccta
34021	ggccaggcac	aatggcttac	acccataaac	ctagcacttt	gcgaggccga	gcgaggagga
34081	ttgcttgagc	tcaggtgttc	aagactagcc	tgagcaacac	agcaagacct	tgctctact
34141	aaaaatcaaa	aaaattagcc	gggtgtagtc	ccagctacac	tacttaggag	gctgaggttg
34201	gaagacagcc	actgcactcc	agcctgggtg	acagagcgag	accctgtctc	aaaaaaaaaa
34261	aaaaaaaagt	tgcccacagt	aggagttaga	ggagaggcca	ttattaagca	cactctcag
34321	aaacctgaa	tctgacagag	ctacccaaaa	catcaatgca	gtcttaagct	gcattagtag
34381	aagatgactc	tatgccccac	ctttgaagag	caaagttaga	ggacttgagc	aggaagaaca
34441	ccaatgacca	tggcaaaggg	tctagaagta	tatcatttca	aatatggagg	aagaactaca
34501	cacttttagc	caggggagaa	caagaaaact	tttttcaaat	atacgcatac	cttcacata
34561	gatgaggaga	aagacttatg	agtccactat	aagaatcaaa	aaccagaact	aatgagtggg
34621	agttacagga	agactgattt	tggtttgcc	caggggaaga	atttcagcat	gtttagaag
34681	ttcagaatgt	gggatgtaga	accagaatg	cttggttag	gatgtcaact	ccaccactta
34741	ttaactgtgt	ggctttgggg	agattaatct	acctgtgcct	cagttgcctt	ccctgtaaaa
34801	gagaatagta	ataatagaac	ttagctcaca	gagctttaag	aagtagcttc	cgaggctggc
34861	tgcggtggat	caggcctgta	atcccagcac	ttggggaggc	tgaggcagg	ggatcacctg
34921	aggtcaggag	ttcaagacca	gactggccaa	catggggaaa	cccgtctcta	ctaaaaatac
34981	aaaaaaaatt	agctaggcct	gggtgcacat	gcctgtaatc	ccagctactc	aggaggataa
35041	ggcaggagaa	tcgcttgaac	ccaggaggca	gaggttgag	tgagccaaga	tcacgccatt
35101	gcactccagc	ctgggcacca	ggagcgaaac	tccatctcaa	aaaaaattaa	ccagacggta
35161	gtggtgtgcg	cctgtaatcc	cagttactcg	ggaggctgag	gcaggagaat	catttgaacc
35221	tgggagggtg	aagttgcagt	gagcagaatg	cacaccactg	tactccagt	tggtgatag
35281	agagaggctc	catctcaaaa	aaaataaaaa	gaagtagttt	ctgtaaagta	cttagaacag
35341	tgcttagttc	acaatatagc	ctggaaaaaa	aatgttacct	attgctatta	ctaaatgttg
35401	atacaacaga	ccaggctggg	tgtggtggtt	tgtgcttgta	atcccagcac	tttgagagaa
35461	ctgcttgagc	tcaagagttt	gagacagacc	tgggcaacat	agtgcagact	gtctctact
35521	aaaaataaaa	agagttgcc	ggcacagtgg	cgtgcacttg	tagttccagc	tactcagcag
35581	gctgagggtg	gaggatagct	tgagtcagg	agatcgaggc	tgagtgagc	tatgatgagc
35641	ccactgcact	ccagccagag	tgacagagca	agactctgtc	tcaagataac	aaacaggctg
35701	ggtgcaatgg	ctcagcgctg	taatcccagc	actttgggag	gctgaggcgg	gtggatcacc
35761	tgaggtcagg	agttcgagac	cagcctgggc	aacatggtca	aaccctgtct	ctactaaaaa
35821	tacaaaaatt	agctgggtgc	agtggcacgt	gcctgtaatc	ccagctactt	gggaggctga
35881	gacaggagaa	tcacttgagc	ccgagaggcg	gaggttgag	tgagccaaga	ctgtgcaatt
35941	gcactccagc	ctgggcgaca	gagtgagact	ccatctcaaa	ataaataaat	aaataaataa
36001	ataaataaaa	taaaaataat	atacaataca	aaaaacagac	cagataacct	gaagcccttc
36061	ctactaaata	tgcttagaag	tgctcagaaa	aatataataa	acatcctctt	agactgtgcc
36121	agctattaag	gtattgtctc	tcagctccaa	atctaccctg	ttatgctccg	ctttgtgatg
36181	ctggggcctg	gactccacta	aacccatttt	cacatttgcc	agctggatcc	ctgtcaacag
36241	ggggtgctaa	ggggaaaaca	gaagacaaga	gaaggctaca	agggacttcc	tccttcttgt
36301	agcctgggtg	ttcttgacaa	cagaagtgg	ttcttcccag	ttgcYttcta	aactcccaaa
36361	accagcctcc	tgcccctcaa	aggcaccagc	atcagctaag	taaggctcaa	cagaaggcca
36421	ctcctccagg	ttcctcctat	aaggcctgga	gaaaccagca	gcaccaggta	acaccctctc
36481	cagagaatct	gggtacagct	attccagatc	cctctagact	tctaggttct	ggtagcccca
36541	accttctctc	ctttgttttt	cagtctctga	tgagaaaaat	tctttatgca	gttattatat
36601	tgaagttact	ttaatatctc	ctttctgctt	tttcagccct	ccaccaaggg	tttaaatcaa
36661	tctcctttat	ggagttcact	ctattgtgtg	gtttctgttt	tgctgatgg	atctgaactg
36721	acatatagat	aaactgagct	ctcaagaaag	taagaaaaat	ccccagggaac	cagaaacaaa
36781	ttagttagga	ggattagcga	gctgatgaca	tagctgtcct	agccgtgtat	ggaatttgta
36841	acacccctcat	aggttcagaa	gacagatctt	gagtcacaaa	aaggcactga	gatccctgtg
36901	cagaggctga	gattcttaag	tttatactca	gtaagataat	agactaggaa	aaaaaatctg
36961	tccagagaga	aataaaaaaac	ttgccttgct	cacctagtga	gaaaggaggg	aaaaaccgtc

FIGURE 4-K

37021	taggaattca	aaacaggctg	ggtgaagtgg	ctcacgccag	taatcccagc	acattgggag
37081	gctgaggtgg	gtggattgct	tgagcccagg	agttcgagac	cagcccgggc	aacatggcaa
37141	aaccctgtct	ctacagaaaa	tataaaaatt	tgccgggtat	ggtggtgtgc	acctgtagtc
37201	ccagctactt	gggaggctga	ggtgggcgga	ctgcttgagc	ccaggaggca	gagggttgag
37261	tgagccaaga	tcctgcaact	gcactccaac	ctgggcaaca	aagccagaca	gacccatct
37321	caaaaaataa	aataaaaata	aataaaaatt	taggaagcag	acattaatat	gtagtgaaaa
37381	acaaacaaac	gatcagtggg	tcctgggtat	aggggtgaa	gaaaaacgga	ctgtaaagaa
37441	gtatgagagc	cgggcacggg	ggctcacgcc	tgtaatccca	gcactttggg	aggccgagga
37501	gggcagatta	cctgaggttg	gcagttcaag	atcagcctga	ccaacatggg	gaaaccccat
37561	ttctattaaa	aatacaaaat	tagctgggca	tggtggtgca	tgccctgta	cccagctact
37621	caggaggctg	aggcaggaga	atcgcttgaa	cccaggaggc	agaggttgca	gggagccgag
37681	attgcaccac	tggactccag	cctggagaat	aagagtaaaa	tccatcttaa	aaaaaaaaaa
37741	gcattgagaaa	tcttttgggg	gtgagagaaa	tcctctgtat	cttgattatg	gctgctgttt
37801	acaggtgtag	acatctgcca	aaactcgaca	ttcttgaaaa	ttattacaga	cacaaaattg
37861	aaaacatgag	acaaaaacaa	gatcacgaaa	aacaagcaga	tttgaaaatg	aaccaaagag
37921	cacttcta	aatgaaaaa	gttagcta	aaaaataaga	attcaaaaaa	caaattagac
37981	ctagctgaag	agtaaaactg	tatactagaa	gatagatata	aggaaattat	ccagaagtta
38041	acacagaaa	atagaaaagg	aaattatgaa	agaaagaata	agatgtagac	gacagaatga
38101	ggaagttaa	cataMgttac	gcattgagac	tgagagaggt	aaagaggtaa	tgattgggaa
38161	tttttacaca	attagtga	agatatgaaa	tttcagatta	aggaattact	atatgcccc
38221	agtatatagt	gatttaagaa	aattaaattc	acaccatgta	atggaagtac	agaacacaaa
38281	tgacagcaaa	gaagatctta	aaaacaaaac	gaaagaaaag	cagggttacc	acaataaaat
38341	aagttaattt	gcaagcatag	ttctcaagag	taacaacaaa	aagccagaat	ttcaatgaaa
38401	aaacactttc	aaagtgtct	gagacaataa	ttggaagcct	agtaccagc	taaaactacca
38461	atcaagactg	aaagtgaagt	gggcacagtg	gctcatgcct	ataatcccag	cactctgaga
38521	ggccgaggcg	ggaggatcac	aaggtcaggg	gatcgagacc	atcatggcta	acacaatgaa
38581	accctgtctc	tactaaaaat	acaaaaaatt	agccaggcgt	ggttgccggc	gcctgtagtc
38641	ccagctactc	gggaggctga	ggcaggagaa	tggtgtgaac	ctgggaggcg	gagcttgag
38701	tgagccgaga	ctgtgccact	gcactccagc	ctgggcaaca	gagtgagact	ccatctcaaa
38761	aaaaaaaaaa	aaacaaaaaa	ctgaaagtga	aataaagatt	ttttaaatga	agacagtgtt
38821	taccactaac	agattcccac	tggacaaaac	tctgaaggat	gtatgtatct	atgcaataaa
38881	aaaggaagga	ataaaatgca	aggaaaaata	gtgaaaaagc	aaacagtaga	catacatggg
38941	taaaatgaaa	taatacctaa	caatacaaaa	caataaacat	attttaattg	tgttggggct
39001	tcactctgtt	gcccaggcta	gctaagcaact	cctgggctca	agccattctc	ccgcctgctc
39061	ctcctgcctc	agcctccaga	gtagtggga	tgacagggca	agccaccatg	cccagctaca
39121	aaataataat	tatcaattag	aattgttcaR	cttagagatg	gattgacttt	gggaatgatc
39181	tcattctaga	aagtactcat	tttgagtctg	gacaacacct	tttggtatgt	ttagtgtatc
39241	ctgggtgaaga	ggctaaatta	aatgaccaca	ccatatatta	gggttaatga	aaagttaactg
39301	tggtttttgc	cattactttc	aatggcaata	actgcaatta	cttttgcaac	aacctaatat
39361	cttctgatca	tagttttatc	aattagacac	agctgtccaa	acagccctgt	atcagctctg
39421	ttcagccacc	tgagcagggc	tttgccctca	tcctaaaagt	tctagaattc	aagtcttatt
39481	tcaaggcatt	cttcccactt	ccatgttcca	catgtaaaaa	agaattctac	gtttcttaac
39541	gagctttcag	gtaagatctt	taagcttttg	gaatgtaccg	cttttcgctg	tgaactaaga
39601	gcttagacat	tacaattagt	catcccttgc	tagaacttag	gctacgaaaa	gaatactttg
39661	gaagctttca	caaaaaagta	tgtggttctt	cctctaagaa	agaaaaatcc	acacagaaag
39721	agggactgag	gaaacataaa	cccatctgtg	ctgacagaaa	gctaccttac	atgatcctca
39781	tgttcgcccc	aggttcccat	atattcacag	cagtaaagat	ctccacaaag	cagagaggcc
39841	caactccctt	accattaaag	ctttaacgac	cagacaaccc	agaagtttgg	aaacatagaa
39901	ccaggcaaca	gatactagag	agagggaatt	atgtattaaa	gcaagaaaat	atcatcacgt
39961	tttcaagagg	gagtgccatt	ccagttaaaga	ggacagctta	atactgaggt	tcaaatgcca
40021	ctaaatgaaa	acgggaaagc	gaaattcctg	tgccctttca	gcccagaaa	ttattccaaa
40081	gcatacat	attcccatta	catgtcgcaa	atcctgccta	gccattagga	tacagtgcag
40141	aaaaagtctc	tcgttatcta	gaagggcaga	caaacacgca	gacttttaaa	ataccagatg
40201	gcaggccggg	cgtgatggct	cacgctgtga	atcccaagca	ctttgggaag	ccgaggcggg
40261	cggatcacga	ggtcaagagt	tcaagaccgg	cctggccaag	atgggtgaa	cctgtgtcta
40321	ctaaaaat	aaaagttagc	cgggtgtggg	agcgggcg	tgtaatccca	gctactcggg
40381	aggctgaggc	agggaactgt	ttgaaccggg	gtggcagagg	ttgcagtgcg	ccgagatcgc
40441	gccactgcac	tccggcctgg	gcgatagggc	gagactccgt	ctcaaaaaaa	aaaaaaaatg
40501	acaagtgc	actcagaggt	aagcaaaaga	gagtaccag	aggcggcagc	atcaaccag
40561	tggtctcccg	cccaccacca	atcttcacac	agtcacacca	cttatagtca	taaatttgta
40621	ctctccgagg	tgctgtatg	aaacatgtta	tctgtgagag	tccatggatg	aaaaacaaaa
40681	acaaacaaaa	attaaaaaaa	aaaaaaaaaa	agacttaacc	tgttttgacc	aggacaacca

FIGURE 4-L

40741	ccccaggaag	taggtaaggc	aggtaaggtc	attgtttaca	tatatgaaa	gtgaggctca
40801	aaatacactg	accagtccaa	gacaacgcgc	gccccacaM	agcaccttcc	ccgtcccat
40861	ttatgcccac	cccataaacc	caaagtagag	ccaacctcgc	actggctacg	taaccgggc
40921	caagctaaac	attataaacc	tcaggctccc	catctttaaa	gtataacagg	tggttagaag
40981	attaaaaaga	taaacatttg	gcaggtcatt	gtggacggtg	tagctcagaa	aatgctgact
41041	actgcactac	cataactact	gctattgtta	acgataaaag	gcaaagactt	tccaggaccc
41101	gaccctcgc	ttacaagcct	ttcgggaact	tgccctatac	ccccgacccc	agtcaccttc
41161	agattttaatt	ccacagacac	gcccccaaac	agaccctccc	ctttaaggca	ccccccccc
41221	ccccggctcc	tccctctcag	gcgcctctcc	tcacaaacct	tàccccata	gattctgcgc
41281	tttcggactc	ggttatggag	gaggccttcc	gctcgcagcg	gcctctccag	cacccctttt
41341	aggcctgagc	acccgcaggg	gtgccaggcg	cgcacgcaa	acgcgggccc	gcgcgggta
41401	cctggctgcg	cgctcccgtc	ctgcctcgcg	attctccgga	atcgtaacct	ttcgtgggct
41461	cgcgccagcg	ctgtgagcgc	acaattagtt	taaactatgg	ccccgcccc	tcgcgtgccc
41521	ctctgattgg	ggttctgcgg	cggggcccgc	ttaaggaccc	gggaaaagga	agtttgaggg
41581	ccactgggaa	agagaagggg	tatcaccgct	tccggacccc	ggcctgtact	tgaaggcaaa
41641	gagaactaca	aatcccagcg	tcaccgcgcg	ccttgaagcc	ccgcccctga	caaactgaag
41701	gtcccggtaa	gcacgcgctc	agtacttatg	gcgcctgccc	ggttggtggg	acgaaagcag
41761	ttgccatgga	gttgctctga	gtaaccctga	ggcagtggga	cgccaagact	ggagagggaag
41821	cgactgcggg	tgagtcgggc	gggaaaacag	gaaacccggt	ctaggggaca	agagatctat
41881	ggagaaggga	ggggcactca	cagaacgact	aagaaccttc	ctgctcgggg	atctgagatt
41941	tccccaccg	accctcatca	cctttcacRg	cgaacaagat	acaacactca	catgggacag
42001	actgggcgag	ggggagcaga	gggagggata	ggcggtgaga	tataYatcca	tacagatttg
42061	gggatgctta	agaaccaccc	ccagggccgg	gagcgggtgg	tcacgcctgt	aatcccaaca
42121	ctggggagacc	aaggcgggcg	gaccacttaa	ggccaggagt	tcgagaccag	cctgagaaac
42181	atggcgaaac	ctgtctctac	caaaaacata	aaaaaattag	ccgggcttgg	tggcgcgctc
42241	cagtggcccc	agctactagg	gaggctgagg	tagaaggatc	gcttgagccc	ggagattgaa
42301	gctgcagtga	gccgtgatca	cgcaactaca	ctccagcctg	ggctatagag	cgatacctcc
42361	atctcaaaac	aaaacaaaac	gaaacaaaac	aaaaacaaa	caaaacaacg	aaccccgcgc
42421	ccaacgcaaa	cataaagctc	ccaaaatcgg	atgcttcaag	ttccaggcat	aacctgggag
42481	atcagaaacg	ccctcagaaa	tggggtgggt	tttctctga	ggaactgaga	ccctcttcca
42541	agacatgcgg	ttagcattag	attgagtaaa	tcgcagtcgc	taccctaatt	ctagagatgt
42601	aggaaacttc	ctggggcggtg	aagtcctca	ttccttcttc	ttccaaggag	taaaaccctt
42661	tctcaatctg	tccccagatt	cccttttctc	cccacacctt	ctcgtgggtc	cgctactcaa
42721	agctctacag	ttagagcttc	atttttttta	gtactcacga	cagatctatt	acatttagta
42781	acctacccag	tgctttcaca	gtctctcttt	tgatactctt	aacagctctg	tgagtcaagg
42841	atattttatct	tcatttcaca	gattggaaaa	ctgaaaccca	gagaaaaggg	acttgcctca
42901	ggccacacac	caaattagtg	acagagctag	aactagactc	cagttctccg	acttccagct
42961	aagtctcttt	agcttcagcc	tactgcctct	atagcggaag	gacttggttc	aaggaacaag
43021	ttaaactgcc	ccagggaaaa	ggaacctgtg	tggcctactt	tgtattattt	acacttcagc
43081	tggaaatgaat	ttcagatcct	cccctgaaac	ttttaatggg	gaaaaggaa	tagagagact
43141	aagacaatga	gacttgaaac	tttttaacta	aacaggaaac	agaagggcta	acacagcacc
43201	catgtctgaa	gtgaccatga	ttagctgggt	tctagctggt	gactagctgg	ccctgactgg
43261	tccacttact	accttaaagt	tctccaggt	ttggctctac	gccctcttgc	cactgcactc
43321	tataattctct	tcttgggtac	ccctccacac	ccacaacttc	attttccacc	tgtatgcaaa
43381	tgtacacaag	tgtgtatctc	aagccagccc	ctcatctcta	agctccagat	ctatatagcc
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43501	attgaaacaa	tctctgtgta	tcccaacctt	ttcctccaag	cctggatctc	ttccagtgct
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43621	ttaatacctc	ttccatttcc	catctatcac	taagtcttat	cagctttact	tcctgaatat
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43741	cgactgcaa	ccagagtgat	ccttcaaaat	gcaaagctga	tactRttcac	tctctacccc
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43861	gtgcaatggc	gcaatctcgg	ctcacagcaa	cctccacctc	ccggtttcaa	gcaattctcc
43921	tgtctcagcc	tcccaggtaa	ctgggattac	aggcatgcgc	caccacaccc	ggctaatttt
43981	atatttttag	tagagacggg	gtttctccat	gttggtcagg	ctggctcoga	actcccgacc
44041	tcagggtgatc	tgcccacctt	ggcctcccaa	agtgctgaga	ttacaggcgt	gagccgccac
44101	gcccagccag	ccccatttta	atattaatac	tatgtgggtt	cctattgtct	ccatctctcc
44161	agcctccagt	ctaaccatac	atattcatcc	ttctctcccc	ttcagttata	taaccttta
44221	ggtcttcaaa	atttccaagt	acccttccac	catagaacct	ttgcatatag	cagtcacatc
44281	tgcttgggaat	gctcattcca	caccaccccc	taccccataa	gttaatttgt	acttatcctt
44341	tagatttctc	tcagtcactt	cttcaggaaat	gtcttctgtg	agactgttca	gaccaggcca
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FIGURE 4-M

44461	tttaatgtgt	ttgttaagca	cctactactt	gccggcacta	tgagatacaa	ctgtaagaaa
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44581	gtgttacgag	tgctaccatg	gcaatcatag	cactacaatt	acagatttga	ggataaaagg
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44821	gaattggagt	tgaggatgag	atggtagtag	aggggggtgg	acaggagcca	ggttgāatct
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47821	aaagggtatca	aatctgYtgt	aggtgctgaa	gtgggatgag	cttctRtcta	agctaggttc
47881	ctctagttct	gtagtagaca	gccaggttcc	tctattttta	caaaaagaata	atgtgttctt
47941	tgttgtctgc	ctgtagattt	aatatctaaa	agattcaagt	ctccctaatt	gacaatccat
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48061	caaaagctcag	ctggtagctgc	tattttttca	gaacaagaca	ttcattttcc	tctaaacctta
48121	ctaaacttga	tccatgtata	tgttaaatgg	ccaaaaaagg	aatttcatag	aactgtatta

FIGURE 4-N

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48301	tggagtgcag	tggcacaatt	atagctcact	gcaacctcca	acttctaggc	tcaagcaatc
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FIGURE 4-O

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55261	aaaccaacaa	acaactggta	catcagagcc	tgaagtataa	ttStaactgt	cactgcgac
55321	ccactgtgac	ctgtgctggg	ttctcctgtg	gaagaggtag	tcaataaagt	acagacttta
55381	ctttctgtga	actcagattc	aagttttaag	aaataaagtt	tggccttttc	tagtccaaga
55441	tccctaagag	gggaaaggag	ctggagcatg	acttggacac	tattccctctg	gtgtgggtgat
55501	ctcaatttaa	ccagtatttt	aaaagcttct	tatgtgccta	gcatgatgct	ctgtcttccct
55561	gttgcttgct	gtgatagaat	cgtagactcac	caaagctgga	aaggtcttca	gtgaaggggc

FIGURE 4-P

55621	aactaaggct	gagagaggca	agtcagtggc	agtgtctgta	cccaggccca	cactcctgac
55681	cctcagatca	cagctccttt	tcagtgtgat	gccctgtatg	tcttaaaaca	taataaaag
55741	taggttacag	tcatacagta	tggctgtgga	gggttgaggt	ggagggcagg	ttgttcccca
55801	cattcttcct	tctctgcccc	cgagtcagcc	ctgagcagag	attcagggtc	ctgtcctgtc
55861	tagcctggct	tttggtttcc	ctccccaaca	ggtcctaaca	actttcttca	acctgagtgt
55921	cctctatctt	cacggcaaca	gcatccagcg	cctgggggag	gtgaataagc	tggctgtcct
55981	tcctcggtc	cgtagcctga	cactccatgg	gaaccccatg	gaggaagaga	aagggtatag
56041	gtaagtggcc	tgcccctgga	ggtagcgtct	agctgggctc	ccctaagga	aaggaggagg
56101	agaaacaaga	aatctacgac	cattcttctg	ccatgcttgg	acctgggaag	ggagttaacg
56161	acctctaagc	attccttgct	ctcagtcagg	ataaacctaa	tctttcccaa	actatgctca
56221	agtcctcca	ttccttgacg	tcagggaaga	caacagcaac	tagtggaggg	ggaaggggat
56281	tctggtggg	gtgctggccc	ccagcctaag	tcttccccac	aggcaatatg	tgctgtgcac
56341	cctgtcccgt	atcaccacgt	tcgacttcag	tggggtcacc	aaagcagacg	caccacagc
56401	tgaagtctgg	aaacgcatga	acatcaagcc	caagaaggcc	tggaccaagc	agaatacact
56461	ttgaggctcc	cacgacccta	gtagtccata	aggcctaagc	atagacagca	tggtttgaca
56521	ataaataatt	tgagctgttg	agcagatgag	aagtcaacta	caccttgtag	agatgttctc
56581	taactcaggc	aactgcaagt	agctctagcc	ttttcttttc	tttttttttt	ttttgagacg
56641	gagtctcact	ctgtcacaca	ggctggagtg	cagtggcacg	atcttggtc	actgcaacct
56701	cagctcccca	ggttcaagag	atttccctgc	ctcagcctcc	ccagttagctg	tgattaaagg
56761	cgctgccac	catgactggc	taattttgtt	gttgttgttg	ttgttttgag	acggtttcac
56821	tcgtcaccac	agctggagtg	cagtggctgcg	atctcagctc	actgcaacct	cgctgtgctg
56881	ggttcaagcg	atttctctgc	ctcagcctcc	tgagttagctg	ggattacagg	cgctgtctac
56941	cacatccagc	taattttttt	ttttgagacg	gagtctcgct	ctgtcaccca	ggctggagtg
57001	cagtggcacg	atctcggctc	actgcaaact	ccgccttcca	ggttcacgcc	atttctctgc
57061	ctcagcctcc	caagttagctg	ggactatagg	cacctactac	cacgcctggc	taattttttg
57121	tatttttagt	agagacgggg	tttcaccatg	ttagccagga	tggctctccat	ctcctgacct
57181	tgtgatccac	ccacctcggc	ttccccagc	taatttttta	tatttttagta	gagacaaggt
57241	ttcggcatgt	tggccaggct	ggtcttgaac	tcttgacctc	aggtgatccg	tctgctttgg
57301	cctcccaaa	tgctgggatt	agaagcttga	gccaccacgc	ccagcctttt	ttgttatattt
57361	tagtagagat	ggggtttcgc	catgttggcc	aggctggtct	caaactcctg	acctcagggtg
57421	atctgcccac	ctcagcctcc	caaagtgcta	ggattacagg	ataagccact	gcacctggcc
57481	agctctagtc	ttattttgct	gaaaaaggga	ggcaattgag	ggaaaggcct	gctggcctgg
57541	gacactggag	acgtgggttt	accacacagc	cttgggaaat	ttatctaact	ctctgggcc
57601	ctttgtactt	ttcagcttag	agattttggg	gttaaagtag	atcagtaatt	tccaaactct
57661	tcacagagta	ccagggtctg	tagagatgcc	tcacaggcct	ccatgacagg	ccaagaagat
57721	ggcctatgat	ctctgaaacc	agccccact	tcaatcagat	caaagtaatt	ccattctgtt
57781	ttatctgctg	ggattctgct	taagatttca	tttgataaaa	agaatcttct	ttgttaaaac
57841	atttgcctgc	tgactccata	ttaggtattc	ccagaagagc	ctggtctgct	ttctctctcc
57901	accccccaac	ccgccatgtc	tcccttcacc	cccaggggct	gttggttaatt	ccattgagtc
57961	tgaggcaggg	cccccaagaa	tcaaagctgc	ctcagattca	ggtctgttca	gctttgacag
58021	tgttcccatc	atcactggac	aagggacaa	aacagtctca	tccagtctga	ggttagccca
58081	agccaggctc	cagctaagag	ctgacaccct	aaacccttgt	ctcttgggtt	catcttcaat
58141	atccctggaa	gatgtcccct	tcccccatc	ttactctcat	agacctaagt	aatcaaaagt
58201	agaatgggta	gaacagaggg	gccagaacca	gcacatggat	gaatataact	cctttatcga
58261	gggtgacaaa	ccaaaacaaa	aaaagaccaa	acatgtaaaa	acccagggtt	ctagaaatac
58321	aaactcaatt	cattcaaat	caagctcatc	cagaccctgg	tcacaaacc	tagtgagggtg
58381	catgtgagca	ccaagtcagg	gagagggggc	aggagtgact	ctgaggccaa	cagagagggt
58441	gggaagggga	tctccctagg	tccctgggtg	atccccccc	acccaaactg	gtatctccac
58501	atttccaatg	actatgaaga	cataccaggc	tctgtccttt	tggcccccac	cccatccctg
58561	gccagagctt	caaaggccag	tcccaaaagg	ttctaccctc	acttgcctag	gcttctagcc
58621	ttcctcttct	cctccttctt	cacatttttc	tctgtgatta	gtagcagggt	agggtactgt
58681	ataagccgca	gtgaggctgg	gggccaaggg	ggtggggtag	agatgggag	aagagaggag
58741	aagagctgtc	caaggacccc	tctcttcatt	ggatcccaaa	ctgtacaacc	agctcctctt
58801	ttgcgtccac	acggatctga	gaaagtgcac	tgtaggcata	agcagctatc	ctggagacct
58861	gagacagaga	ggggccgggg	aggagaggaa	cagagacagg	tgaggagggc	aatcaggaaa
58921	aatggggagg	ggagattaga	tgggtgatga	gaaggaggga	atgaagggga	acaggaaggc
58981	aaagagaaa	acagggatgg	gagagacaga	aggaaaaagaa	caaaggggag	tgaaacaata
59041	aaggttgcag	gaaggagata	ggaaagacat	aaaaagttaa	gagaacgagg	tgggaggggag
59101	ctggggccta	caaggctacc	aggctcccta	actccacctt	ccctacctcc	tctgaggcag
59161	agtgggtgaa	ccctctgcca	taccctgggc	agtgtgagaa	gggtgggcag	gggcagggtga
59221	gggtgtctc	acctgtgcca	aatcagagaa	cgggatgggc	tcactggcca	gcacttggtg
59281	gggctggctg	gtaagagacg	gcagcgggtg	cagcttcttc	caatgggtca	ggctgctgct

FIGURE 4-Q

59341	cagcacagcc	aagcgggtgc	tgaccaagag	agaggggggtg	ggggtaggca	gttaagcYac
59401	agtctgccct	gcccagccca	ggtaagcctc	atccccctcag	gccagagaag	caggggtgtcg
59461	aggaggggta	tctgggaggg	aaggtctcag	ctcatcacag	actcaatcta	ggcccatctc
59521	ccttggccctc	agYgccctca	agagtgtcac	agggtaaaca	gggctgacat	gaataactac
59581	tgaagcacc	aagtgatctg	tggtcagctc	ccagggctgc	accaaagag	aagcttggac
59641	tagggggccag	gctccaaagc	tggaacagtg	atggagggtg	ggagcccaag	tagcctgagg
59701	gaccacgct	ggccaggtgc	tcacctgtac	tgcttgccac	ggtccatgta	ctcatgctgc
59761	tccatgccct	gtgagctctg	agcagacaca	tcaatgatgt	tgctatgggg	agaggagaca
59821	gagatgacat	gacaggtgct	tccgagaagg	acaaacagga	ctcagtgcca	ggtaccaact
59881	ccagggctat	ctgacaccag	tttccctcct	gcctactgga	gcagggctgg	acatggaggc
59941	acctctcccc	agtgaccttg	tcccatcccc	catgtcctga	gcctggctcc	ttctatccta
60001	gcctttaata	tgatagagg	agctctgacc	caggcctggt	cctctgacac	ttacctggct
60061	gtcttggcaa	ggatggaaga	gagcagggcc	tgctcatcag	tgcgagcgga	aggcaggctg
60121	tgttagttgg	gctcggctcc	attgagagct	ttggtagggg	ggctgctagg	gtccagcagc
60181	agcttccgct	cctctcggtc	ctagaagtgg	tcatgggaga	gaagtcagcc	ccaggaccgc
60241	tagatcctgc	ctttcacggg	tgctaccctt	agcccagctc	tgaccttaaa	cacaaaaaat
60301	gtttctataa	ggaatatcta	aagtgccag	ctttatggaa	tgccagataa	gactcagttc
60361	ctgcagatcc	cttcgagctc	aactcgattg	gtgttctagg	ataaatgaga	gtggaaccag
60421	gcagtcctag	aggccctgaa	aaaatggaca	gaggcacaaa	gcaggtagtc	agcaacagcc
60481	ctggagcttg	aaaaacattc	taggacctgg	caaagaaagg	atactagagg	ctggaagaca
60541	gWggagctga	gacatagcaa	gcactgggat	ctaaagggga	aatcagtgca	agtcaagagc
60601	ccaagaacag	ccttcctcat	cccctaggac	caggccctcc	ccagcaaagc	tggtcgcttc
60661	caagatggaa	gccctggcga	gtccagacaa	agccctaggc	cccaagagaa	agcaagccca
60721	acctctccat	ggccatttct	caaattatgt	cagggcagga	atcccagccc	agctctgggt
60781	cacacagtac	aagtgtgttc	ccttcttgaa	ggcaggtccc	ttcgaagggt	ttcacctccc
60841	tgtgctctgg	tgctcttttt	gtacgtgact	cccagaacca	aactgagtgt	acatgggtga
60901	tcctgatctg	agcagtacag	ctgtagccat	gtatggtgat	tcacaccagt	aatcccaaca
60961	ctttgggagc	ccaaggcaga	aggattgctt	gagtccagga	gtttgagacc	agcctgggca
61021	acaaagcaag	acctcgtctt	tgcaaaaaaa	aaaaattagc	tggaacttgg	agtgtgagcc
61081	ctgcagtcctc	acctacttgg	gaggctgaag	tgcaacgact	gtatgaacct	agggttttag
61141	gctgcagtga	gctaggactg	tgccactgta	ctccagctctg	ggcaagagag	caagacccca
61201	tctcaaaaaca	aacaacaatg	gcgctgttcc	ctcccttgct	aaaccacctg	agtagcccat
61261	gtaaattttc	agcagccctg	ttcctgctgg	cctgtgctga	taatcacaac	ccctgaacta
61321	atgtaagacc	aaaccaagct	tcctctattg	tttggctctc	ctccttgctc	tcttctagtc
61381	ccctgtttcta	tctactgtaa	tatttctgga	tttgaccctg	ccttgagacc	atcagctgca
61441	aatccttgct	tgctgtatca	gcagtaaatg	agaaaaacag	acctgctggg	tatctatcca
61501	acccataaag	agcaagagtg	ccctgaacaa	agccaaggat	Rggcccaggg	ggacatctcg
61561	gctaatgctg	actcaccaac	cttcagtgcc	agactcctca	atgctcccct	ccaggcttat
61621	ctcagttcct	cagtccttcc	tgctgcaggc	cgcagctccc	ctgcccacaa	ctccacaact
61681	ctccttgtag	agggtacttt	cctcctgccc	tgcttaggga	ggcccagcct	tttcacctta
61741	ctcttctttc	tcaaggctag	gttgcccaag	tgtcctcagg	caatttgatc	cagttcccaa
61801	caggaagaga	cagaagctgt	gggctttgcc	ccatcacctc	tataaaactc	cagacacctt
61861	tcctccctaa	atacataggc	tcagtattaa	agagctaaaa	agacaaaatg	tttgccaaag
61921	ataaaactat	gtatttctaa	ggaaagctgg	ctccataatg	aggcccaagt	tagcttcccta
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62041	ccctatcagg	ggttcttcaa	gaagaagggt	ggctgatcac	ttctcagcct	tcagctaaga
62101	tcaagtgaac	aacaagggtta	ttttcttgaa	acccagactt	aaagaagagg	ccatgctacc
62161	tacttcagag	cagacaaaca	tcaccccact	cccaaagtgc	gagtggagca	tgggttaggt
62221	ttgtcacatc	aaggtttgtc	tctgcattag	tgtaacccaa	gaggcagggg	ttcactgtct
62281	accttagcac	agacatagca	gcctgcccRt	gactggccac	ctggctagg	ggcatggctg
62341	agacagcttg	gccccatgga	taaagtacat	ggcctagcgt	cagaacacct	gggcactagc
62401	acttctcagc	ttggccaaat	cacttagctt	ctctgaactt	cttccctcacc	tttcaataga
62461	cataaccac	actaatatga	cggatgtctg	gcaagagtca	aattagataa	ctgtgaaggc
62521	cctttgtaaa	ctgtaacgtg	ttgtatatct	tttattatga	taaagagaca	gagatgagag
62581	tcggagaggg	gcctgcccac	gaactcaaag	agggactgtg	ggatgggtgga	tgggttatggc
62641	ccttgctaca	tgaggcctca	aatcacccag	cagtgatata	gcaccttctc	tgggtgttag
62701	gaacagaaat	gagagccccc	caaggagaag	gtagagattc	aggagagcag	caggcccagc
62761	tctcccttcc	aagtagaagc	ttgtatcctt	tctcatacgg	cattaatcct	tcttgactca
62821	ttccctgcaa	gagtcacat	tatgctttta	gggacaattt	cccactaggc	tacagctctc
62881	ccagtaggca	gggttatgtg	tgtctctttc	tcaaaaaagg	ggaagtgaag	tgagaggtat
62941	taggcacaac	acatgcctaa	cacagggcaa	agggaaatat	tggtcattgg	gtgtatggag
63001	aattgagaac	cagaagccac	ccttgcttcc	catacaaacg	acattttcct	aggcttaagg

FIGURE 4-R

63061	ccttaatcca	aaatacgttc	actgaagaac	gaactacttc	ccaagtacca	gtgatataat
63121	ctatttttgt	gaccatcttc	cccattagac	cgtgagctac	ctgaaacctt	tctactctct
63181	caggctctact	atatgttcaa	atgtagaatc	cgggcttaga	gacgatcaaa	aaaggagagt
63241	agacagcaac	ttgagacttc	atccttgaat	gtcaggccag	gcagggcagg	gattagagtg
63301	tggggagaag	tgagaatgca	ctaagaggaa	gagggagaat	ttaaaactgt	acaggtctcc
63361	ccagcctaac	cctttctcca	aaggtatcag	atctacagcc	aaattctcag	aataggcatg
63421	tctccagcta	aaggaaccct	caggccccag	gcagactgca	ctgaggcaag	ccaaactcag
63481	aaccaaatga	acttcccgtc	ccattttctct	tttcccacaa	tctagccaaa	gctaaatcct
63541	ctttgttgct	tcccagacaa	tttcccacat	gtcccgatgt	cctcactgta	tccgattaaat
63601	ccttcattgg	ccaattcaaa	ggccaccaac	ttccagagtc	gtcccctggc	cctagactag
63661	cagcgacctt	ccttctgcaa	ccccagggac	taagacgata	cacgaattcc	tgattcatct
63721	caggacagac	taactcaggg	cctcagctta	cccaccccta	aaatggattc	gcaaagccca
63781	ctaatacaca	gaagacacag	gaagctgggg	aagggaagtgt	ttcccgggga	cctagactga
63841	ggatccttga	atctgaaaag	ttttgaagggt	aggagcaaac	ggaagtgggtg	ggagcgagcc
63901	ggacaggcgg	ctgcctgcac	accccagggc	ggggactgtg	tagaaatctg	gggctttaac
63961	aggggtagga	gcccggcctg	gcgtctcctc	tgtaatctgt	ccccccagg	cctccgtatt
64021	cagtgaagccc	tgcagtccgg	ctgcccgtcc	tccgcaggtt	tctttctggg	ccccatgcc
64081	cagtgctctta	gccctcatte	ccgagccccc	cctgccgcgg	ccgcacctgg	tccgagtcct
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64201	caggagaggga	cggcgtccgt	gaggagccct	tccggtcaca	tgaccgcggg	cggcctcccc
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64321	gtcaataccc	cggtctccgg	tcccgcccgc	tagcgcgtga	tcgttgtcaa	ccaatgggaa
64381	ggcgtaaccg	tacacgcaag	cacgtgatgc	ggggaaaagg	cggggcggat	cacatgactt
64441	catctttcca	gtctctaaac	tggcagtagt	ggccatcgtg	aattgtgtta	tgcgttctcg
64501	tggccactag	gccacttttc	tgggccattg	agcgaactcg	taccaaatgc	cctcgtatgc
64561	ccttgtgata	tactcttcta	aatgccatgc	gaggggcgac	tgggatccag	gcctgatgct
64621	ccagatcgta	cggtctgggt	gcacacacac	agatgatcca	gatgaccagt	acctagtccg
64681	ggaacacaga	gggtgtatcg	cccagctggg	ctgggggtga	atacacagag	ggtgtattct
64741	ccacctgggc	tggggatctg	cgacttacag	gaagaaggga	ccttatacta	ccttcacatg
64801	ctgacgcgca	gcggagataa	atcctggtag	aggagataga	agccacctca	ctgacctctc
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64921	cacaaagctg	accatcagtt	ctcttttctt	aaaccccgct	ccatgtcttc	ccttggggccc
64981	tgaacacagg	tccaagtccg	tccaagattg	tatagtgatc	catttgtttg	tcatgagctt
65041	gtgatgggt	gttcaccagc	atgtatcaaa	tgtgccaccc	tcaaactctg	ttttggcaca
65101	ttaccctgtc	gacataacaa	gagcctgaca	cctctcccac	tgcatgttct	ggggtgaggg
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65281	agtacaatgt	cctcctgatt	acctctctct	actccattct	ctggacatgc	ccagctccct
65341	atgcttaatc	ctcatccagt	gttaattcat	gcatttatgt	aatcaacaaa	tatttgctga
65401	gcgtctacta	tgtgccacac	attgttatat	ctggatatgc	agcagttcac	aaaacagcca
65461	aagtcacctg	agtcattgga	catccaatag	tgatcacact	atattgtatt	ccttgctctt
65521	gggtcagctc	cacctaccaa	acttgggagt	tcctggagca	cagtgacagg	ttctgactct
65581	tcctgttagc	ccaaggcatg	gccttgctta	cagaaaactt	gcatatcaat	gagcatgtta
65641	cagtcacccc	atcaccttgg	ctcaccccat	gccccatctt	ctgatccaaa	gtattggaga
65701	agtcaccaga	tctcatacct	cttataaacc	ctcaaataca	gacctgagg	ttctgtaaat
65761	cttttgaggt	tcctgaaggg	taggaggcag	ctcaagctcg	tccttggggc	tggtaacttg
65821	aactgcaggt	ctcaggtgac	agcagcagcc	tcagcatgaa	taattgaaag	ccattccagc
65881	ctcctacctc	agggttatcc	cccgcagcag	gccctggact	ccccgacctg	tcctgtgctc
65941	tggctctcca	gcccaggtaa	gcagggccct	ggattgtggg	ttccaagct	caccagttca
66001	agcccaccgc	atcactcacc	tattcacacc	catccataca	ctctttcatt	tttactcccc
66061	gccatcacca	ggggccttgc	aagaaggccg	gcaaggaggt	cagatctgga	tgaggaggag
66121	aatgggtccag	gacatgggag	gagaggccca	ttccccatag	gtccctggag	agaagagctg
66181	agtagaggga	aaatgtgtgc	tgtgtgttat	gtgtatgtac	acatttgtga	agggaattct
66241	gagacagcac	aggagaagag	gggaatacac	cggagaggag	atggggctgg	agaattatta
66301	agaatcaaaa	gactcctccc	atcctcaggg	aagagcaggg	agaggggagag	tcctgggggtg
66361	ggaagagagga	catctcactc	taacacccta	tgggggtattt	tgattgcatt	ttactgaggg
66421	agggcacagt	gatagtgaag	gtgtttttga	ctgcaaatct	atgctctttt	gctacacagc
66481	agtggtcaga	ggagaccagg	caggcagagg	gtaggggtgg	gggaagatat	cccagagggtg
66541	aattagtga	aggggtcctg	aagaaggggt	gacttcaagg	ataaagagaa	acaagtcagg
66601	ggaacaatgt	gaagatggga	ccaggggttg	ggaccgggaa	gaggtgggtt	ggggctgggt
66661	gctgaaagta	gacagtatag	agtccttgaa	agtacacagg	cttggaaatc	cactaacctg
66721	gattcaaatc	ccagttctgc	tctgtgactc	tggacaaaag	acttagcctt	tctgagccgt

FIGURE 4-S

66781	ggtttgtgaa	atataaggat	aataattgct	actggcāaaa	gctacacaaa	taggcaaatt
66841	gtgggtatgg	gattccctcc	ctacctccct	ccaccccagg	gcccaggtag	ggaccatgtc
66901	ccctgccatt	gcattggcct	tcttgccact	ggtggtāaca	ttgctgggtgc	ggtaccggca
66961	ctacttccga	ttgctgggtgc	gcacgggtctt	gctgcgaagc	ctccgagact	gcctgtcagg
67021	gctgcggtac	gāggagcggg	ccttcagcta	cgtgctcacc	catgccctgc	ccggtgaccc
67081	tggtcacatc	ctcaccaccc	tggaccactg	gagcagccgc	tgcgagtact	tgagccacat
67141	ggggcctgtc	aaaggtcagt	gttccctagc	cttctgctcc	aagaagtacc	cccaagacag
67201	tgaaggaata	tttgggatct	gttgctgctt	aactggatga	attgggcagg	ttcttgatcc
67261	tcttttaggg	cctctttttt	ttctcatctg	gaaatgagga	gcttggaata	agtcatttat
67321	tcagcaāaca	tttattgcca	cctcttttgt	attaggaatg	tgctagggtgc	cagggagagg
67381	ggtagaggcc	acagagatga	atgagccaca	aatgctggcc	tcaaaggāac	cataatacac
67441	agtggāataa	ccatctcagc	agataaccca	tagctttgta	attatctgtc	tccacatctt
67501	tcctctccac	catggaggct	tccacatacc	atttagggtā	gctgtctgct	tggtatttat
67561	tcaatccca	cataagtgtc	tttaggggtc	tatttaagaa	attcggtgtg	gtgggtggctg
67621	gtgcctgtaa	tcccagcact	ttgagaggcc	gaggtgggca	gattgcttga	gctcaggagt
67681	ttgagaccgg	cttgggcaac	atggcaāaaa	cccattctcta	caāāāāatāc	āāāāatācc
67741	caggcatggt	ggcacatgcc	tgtggtccca	gctacttggg	aggctgaggt	gggaggttg
67801	cttgagccca	ggaggctgag	gctgcagtga	gctgtgattg	tgccactgca	ctccagcatg
67861	ggtgacagag	caagaacctg	tctcaāāāāā	āāāāāāāāāā	agāāāāāāāā	aagāāāāāāā
67921	attcactggc	tgggcatggt	ggctcatgcc	tgtaatcāca	gcactttggg	aggccāāāgc
67981	aggaggatca	cttgagccca	ggagtctcag	actagcctgg	gtaacāāāgc	aagacccccc
68041	tttctacāāā	āāāttāāāāā	attagccggg	tgtgggtgtg	agtaactgtg	gttccagcta
68101	ctggāāatgc	tgaggtggga	ggattgcctg	agcctgggtg	gtcaaggctg	cagtgcgccc
68161	tgatcatgct	actgcactcc	agcctgggca	acacagcaag	acttgggtctc	āāāāāāāāāā
68221	āāāāāāāāgt	tcatccaatt	ccaagatcag	āāāāāāāāāā	gatgagcaat	āāāāāāāāāā
68281	tgāāāāāāāā	āāāttāāāāā	gagacctttc	āāāāāāāāāā	aagatagggt	gggtgtttct
68341	gcctgggact	tcatggagaa	agagcaacat	ttgaactgaa	tctggaagtt	ctgagttggc
68401	caggcagatg	gcgatggggg	tgggaagggc	āāāāāāāāāā	acatatacac	atgtggcatg
68461	aaggaatgag	acagcttgat	ggattctggg	cacagtgtgt	tgggaggtgt	gtgatacagg
68521	ccacagggtg	gaagtactga	gagatgaacc	tggāāāāāgtā	ggataggatc	aggtccaagg
68581	tcctgaatgc	caggctgaga	atcccaagtt	caatcccaāā	ggccttcagc	tcacaggagc
68641	caaggagtaa	taaggtcaga	tttgttggaā	agattccagg	gctggtgtga	agactacact
68701	gtaggagacg	gggaccagga	gggcagctgg	ggctatggta	caagagacag	atgagacccc
68761	ggctgggttg	gagctgcagt	gaggcaggta	ggcatttgag	atatctttta	tcaggggccc
68821	tgcatccatc	tcccatgtct	tctgcaacag	ccatctcccc	tcatagggtca	gatcctgatg
68881	cggctgggtg	aggagaaggc	ccctgcttgt	gtgctggaat	tgggaaccta	ctgtggatac
68941	tctaccctgc	ttattgcccg	agccctgccc	cctgggggtc	gccttcttac	tgtggagcgg
69001	gacccacgca	cggcagcagt	ggctgāāāāā	ctcatccgcc	tggccggcct	tgatgagcac
69061	atggtcagcc	tcccatctcc	ccaacccaga	tttttgtcac	cccaggcctt	gccccagac
69121	atcccttgtg	aaggactccc	atctaaggag	aaggaagcac	ctcāāāāāctg	gggactgtga
69181	tgctggatgg	tgtgtgagct	cctgcccctc	tgtcccaagt	catctgcaca	ttattttctg
69241	ccggatgacg	aaagāāāāāā	ctaagaggaa	ggtctctgga	acccagcaāā	tttgggtcca
69301	gctcttactc	tgctcttgtg	tagctacgtg	accttgagca	aagcatgcat	cctctgaacc
69361	ttagcttctt	cagaatggāā	atcacāāāā	tgatcctgac	ttcttaggtt	ctgaggtcag
69421	aggāāāāāgt	agaacactca	tgggaagcta	agccaggacc	tggcatgaag	taagccagat
69481	cctgggtggg	tcttgāāāāā	gagaāāāāā	ccccccaccc	tcacctccag	ctccccctat
69541	ccccacaggt	ggagctcatc	gtgggcagct	cagaggacgt	gatcccgtgc	ctacgcaccc
69601	agtatcagct	gagtcgggca	gacctgggtc	tcctggcaca	ccggccacga	tgttacctga
69661	gggacctgca	gctgctggag	gcccattgcc	tactgccagc	aggtgccacc	gtgctggctg
69721	accatgtgct	cttccctggt	gcaccccgct	tcttgagta	tgctāāāāgc	tggtggccgt
69781	accgctgccg	cctccaccac	actggccttc	cagacttccc	tgccatcaag	gatggaatag
69841	ctcagctcac	ctatgctgga	ccaggctgag	gtccaggccc	aggggtactt	actgatgccc
69901	acccccaccc	ccacccaagc	agggaacctca	aaatcccctc	cctttctgtg	ttggggcctt
69961	gacacacgct	gggctcaggg	ctagggagtc	tctcttccca	cctctgacct	ctttcagcct
70021	ctacactgac	ctcaagtgtc	aagtctctatc	aggctgcttg	gtctcactag	gccccctctt
70081	tccagagaga	accatggact	gacagcaaga	agcctgagct	cccgacccag	ctctgtcact
70141	gatttgctga	gtgactccaa	gggaatcccc	accttgctct	gagatttaāt	cttctctctt
70201	aacacgaagg	aagctggatg	ggagagctcc	aggggcctcc	cagttctcgg	cctcagāāāg
70261	cctcccatcc	tcagcccatg	ccattctggg	tgggatcaga	ggaagtggca	atgagttaga
70321	cgccctgcag	gaatagctgg	atgcaagctg	ggccagagāā	aatggcacag	aaccctggac
70381	ccagggccag	ggatgccttg	gccttcccta	actctggccc	acctagccāā	ttaggtgtgg
70441	ctgagtgtccc	ttgagtgtccc	tcttccāāāā	gcccāāāāāā	agatgtctgga	ctcctctggg

FIGURE 4-T

70501	ccccaccaac	aaatagggaa	tagacatggg	tggaaaatca	ctcctttgtc	tttattaaag
70561	aaacttagac	cagacctggc	aatcaagggg	tgaggtagtg	gccaggaagg	tgagtagggt
70621	ttcaggccct	ggggatttca	agtgcagact	gatggcctgg	gagggggcaa	agagaccaga
70681	tcctggcagc	agctgaggag	gtgcccaagg	gcactttcag	gcactggggc	catcagctgg
70741	ttctgtgggc	aggggttggg	ggttgggatg	cagggtagtt	tgggctggcc	tggaatctcc
70801	ctgaggccac	cctgccttgt	ctacctagat	catccactgg	tcctgatcct	gttcggtgcc
70861	ttccatgtcc	acctggagag	gaggctgggt	gtgggtgggg	aggggcctca	gccagcctca
70921	gccccagatc	ctgccccctg	ctggatccag	ggtttctgta	ccccctggcc	atcaactggg
70981	tcaggagcaa	gggtccagga	acagaggccc	tccccatac	cccttgccca	cctcattgac
71041	ctctccatca	tccggtgact	cattgtagtc	attcatctcg	tccatgtcct	gcatactctc
71101	atcatcctct	gagtccctct	cactatcctc	atcatcttca	tcatcctctt	cttccctcgtc
71161	atcatagtgc	tggtgggcag	gacagagcct	gtaagcccta	caggcctgca	tgaccaggtt
71221	caagaactga	cccacttgag	cctctctcta	gggccaatga	atgacccctc	accccgacac
71281	tccctccttg	agtctagcag	gctgtgcat	gttctgcagg	accttaatgc	tagggccaat
71341	gcccacccct	tctatctccc	cttttaggct	tttaccacaga	tctgagaacc	acaactgctc
71401	tggttcagag	acaggacatt	cagaattaga	gcagagcctc	ggtccactgc	ggccccaca
71461	caggccccc	ctgtagagc	cactcacctc	tgaggctggc	tgccaatga	gaaccaggtt
71521	gttgtctttc	tccgcgatgc	tttggagctg	tgggcaaaag	cacagaggaa	caaggccaga
71581	gcccagtag	ggcaggtcag	gggcatggga	ctggcccatt	ctgcccagaa	gacaacccac
71641	acgtgttggg	gagaagcttc	ctcccagttc	tcagggagat	acaatccctt	tcttgtcatc
71701	tgccatttat	gaacttgatc	caaatactta	aactctctga	gccttctttt	ttttgtataa
71761	ttatgggtgag	gatgaagtga	gagacttatc	agcctagaaa	gcatcatctg	ctagatcctc
71821	aattaatagt	caaaattatt	tcctgtgctt	tagggaaaag	agcttgggct	gagtgtcagc
71881	agcctgggct	ctaactctggc	ccagaagtca	catggtagcc	ctgtaaaata	gggtaccaca
71941	agatgagaa	cttggctccc	tggtcccag	cccattatt	cccagctcag	ggcaaaaagc
72001	tcctcctggg	tagatttctg	gagtaaggct	gggtcatggc	ccactgaagg	aggtctctgt
72061	ctgtgctgag	gtctctgtgc	tgtgctagct	gctcactcac	ccaggcctga	tgctgctgtt
72121	cctgctgctg	cagctctgtc	tcttcacac	agggctcgatc	cagattaaac	cacagagctt
72181	cagtcacacg	agggaaagag	gaggggaaca	aagtggacat	ggctcctaga	ctgagggaaa
72241	gggtcaagtg	aatgtgtttt	gctttgtttt	tgtttttaat	ttggttgtaa	tttgatttRg
72301	ggataggggtg	gaagacagca	ggaaagcagc	ccctccccct	aggaatcaga	cagacctggc
72361	tttagtcct	ggctccacca	cttactagct	gtttgacctt	ggctgagtca	cttaacctct
72421	ctgagcctca	gtgtcttcac	ctgtaaacatg	gggataataa	caattatacc	actgtcaaa
72481	ttattctgat	aattaagtaa	ataattggatc	aacaaagctg	tttgcaggct	gttcaaggag
72541	ggatgagaat	gggagtcaag	tgtagggata	ggaatccaga	atgcagactg	gcattatgaa
72601	attatacaaaa	attagaggta	gcagggttct	actgaaacta	tccctacctc	ctccacacac
72661	taaaacctgc	tttttgacct	tttatagctg	ccataccac	accacccag	gtcaggaat
72721	ttaggacact	aacgacctct	catgaatcac	agccaaatgt	cgggggtggag	ggattgtagc
72781	atatgcaagc	agggttcagt	aagacattct	aggaggcatg	aataagtggg	taaaataagta
72841	gatggaagat	tgaatggatg	aactaacatt	ataagggtag	aatcagcttt	gagcggtgta
72901	gggagccgac	caggagtggc	agataactctg	aattaaactt	aggacagggc	aactgaggcc
72961	cagcgacagg	cagagactgg	ctttaggtca	tacagtgtgt	cggggcttag	aattcctccg
73021	tgaagggat	Ragcaggaga	aaataatcga	tgcttggctc	tgcttttgtc	ttaatattatc
73081	tgaccgaccc	agggccagcc	gctgccttct	cctgtatctc	agattcccaa	cccgcgtaat
73141	taggcacgac	ggtaaacacc	ctcatgtcca	agaagtactg	acagaccagc	gatctcggct
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73261	ccatgcagtt	gaccaacaga	aagaaagcag	ggcgggtctc	agacagaaat	ttggccttat
73321	agggttgcta	aacgcgaaaa	aagcggggcc	tggttaggac	caattaactg	aaagaaatgc
73381	tggttgacag	gaagtgcac	caatgaatga	cggaccttgt	gtgacggggt	ggggcttagt
73441	ctcgagggaag	cggccaatga	gctggagctc	tttaagggtt	aaggactctc	aatatggagc
73501	tcctggggag	tcgggtcaaa	ggaaatgggt	ttctctgggg	gaaaaaggaa	tgaaggggca
73561	aggagacggg	tgcagccttg	cgtctgtact	taccgcgccc	ggaggctgct	gccggcggcg
73621	acccggaagc	gcttcaccca	gcctgagcgg	aagaacccac	cagaatccgg	gactcaccaa
73681	acgcatgcgt	ccttcgtctc	cttttgtttt	ccccgctccc	gccactaaa	ccggatgtga
73741	cgttgacctc	ccttagtcac	attgttaagg	aagggaagtgt	gccgcgcta	cctatctgcc
73801	ccSccttgag	tctcagccag	tcggcgctct	catcctggcg	ccagcactac	ggtctcggtt
73861	aaccttgcc	ccgtttaacc	cctgcctttt	tgttgccagt	caccatttgc	ttgttaaccc
73921	cttctgaaga	agagctgaca	gcaacctttt	agtgcgaggg	ccattcgtcc	tgctgcatcc
73981	cagaaaacta	atctgttact	acttcagaat	tgctgggtga	tgttaggccc	ctcctatctg
74041	tgctctctca	gctacagttt	cccggtttgag	catattcatt	ctttttttat	tttgctctga
74101	acaaaatat	tagagttaca	attactatct	attccaggcc	ttgctagaaa	ctggggataa
74161	atctaggaat	atggctcgctt	ccctggaaga	cctcacagtc	cagggaagcc	aaaccttgca

FIGURE 4-U

74221	gacatgcagt	agacttagtg	gtctctctta	aggttgcttg	ttgagttttg	acattggaga
74281	ttatgtacag	acttgaatga	ctagttagcc	tcaggcacag	cattctgttg	ctgggggaat
74341	cagctgccct	cctcaggcct	gggccaagta	cacttagaga	tcgccctcgt	cacctctccc
74401	atccttttgc	gatgcctctg	ttctagtaac	ctctgactca	gcttcgcctt	tagagatact
74461	catgctttct	ggcaacagag	gtccttcaaa	cccaattcct	attaaactcc	atcacttacc
74521	agcctctttc	agggacagca	gttatccgca	tttccagta	tgctctggcc	agatgtgtga
74581	gttttgccaa	ttccttttcc	tctctctgga	ctcagcttct	ttgtcaacca	gcatacataat
74641	ctctgcccag	ccttccttct	atcctgggct	gatgtgaaga	ttggataaga	attgttcaag
74701	aggctgtgta	ctgtgcatat	tgaatgtgat	tatattgcca	aatagcactg	ttgtttatag
74761	tttttcatta	aagagtaaac	tttgcttctt	ggaaatgact	acctttttca	ttcattcaac
74821	aaatacctac	tgagtgcctt	agtatatgtc	catcactatt	cttagtagtg	ggtatacaat
74881	agtaaacaaa	acagaccaa	aaagtccttc	ttttcatgca	gccttcattc	tgagagaggt
74941	aaacaataaa	gaagatagat	aaataaaaata	tgtagttgta	agattgcagt	aaataagaga
75001	aaaaataaat	ctgagaagt	ggaataaaat	atgttcaggg	gaggtgtttt	atttcagact
75061	ggggggccaa	agtcactggg	aagtgactt	ttgagtaaag	gtctgaagga	gcagagagcc
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75181	tttagttggc	atagtgctct	ctaggggagag	taataggtag	gagatgagga	gttggggagc
75241	cagtggaggg	ttgtgagcac	agggtccaca	caatctgatt	tacagtttaa	ctgagttact
75301	ctggctgttc	tccaaataga	ctgggtagg	ggagacaatg	gcagaagcag	ggagaccatt
75361	tgggagccta	ttatgataat	ctagaggtag	tggatgagaa	gtggttgaat	tctgaattta
75421	tttagatggt	agagactaca	aggtttgcta	acagatggac	aatgccagaa	taagaaagga
75481	gccacgattt	ttgggctgaa	cgactagaag	attgggtgtg	ccactttttt	gagttgggaa
75541	ggaatgggga	ggtgatgagg	ggtttggttt	ttttttgaca	gggagcttag	gtttgagtgt
75601	gttgagtctg	agatgcccat	tagagtagag	atgttggggc	ggcaggaagg	catatgagtc
75661	tgcaggtcag	ggcagagatc	tgggctggat	agatcatttg	ggagtcatgt	gcattgtatg
75721	ggtgttttaa	gtcatgagac	tggatgagat	caccaaggga	gtgaatgtag	ttggaaaata
75781	gttctctcca	atattcagaa	tttgaggaaa	ctaggaaaag	cagcaaacca	gatggagaag
75841	gaaggccaaa	aagataagta	gaaagctggg	tgagttgatg	gtatcttggg	agccatgtaa
75901	agaaaggggt	gtagtagaaa	atggtttact	gcagcctcat	tctgtacaaa	attgtgggtt
75961	tgtttatttc	cccaacagac	catgagctcc	ttgagggcag	ggactgaatg	gttactatgt
76021	cccaggggcc	cagcatgacc	ttctctctga	ttcctcatct	tccttctgtg	acctgtgtct
76081	ccatcagttt	ctcctccggc	atctttttct	tacaggattc	ttacctcagg	taccatttgc
76141	cccgctcttc	ctgataattc	cgctctctgg	aaattcccta	gtaacagagt	ttcttttcag
76201	ggtcatcagc	caggctcagt	aagtaatgat	gactggttag	ctggtgacat	ttattgagta
76261	ccaactgagt	gccagacacc	tttctaggcc	ctggggacag	aggggaagca	gaaataattc
76321	ctgccctaga	gaaaaataga	gtatagttag	tactaagaca	attatagaca	attatagagg
76381	agggtaataa	atgttaaaat	caatgtattg	agagaataca	tgagaacaca	gaggaggtt
76441	tgatgaatgg	gttctgaaca	aactaagttt	agacttttgt	tccagaaaag	gaaacatttg
76501	agtgggcctt	gagggatgag	taggagttaa	gccactgggt	aaataagtag	gaaaagaggg
76561	tgcacaaaaga	ggcatatttc	attcaagggc	atgtttggag	aacattgaga	atctgggagc
76621	aactagatat	gtggagtgga	gaaagatgag	aaagaatgat	aggggaccca	gatagggaag
76681	gtctttgggt	gccctatatg	gagtggtatg	gatgggatct	gggcatcttg	ggtctcacct
76741	ttgtcttatt	gccgacttgc	tggggacccc	aggtagatgt	ctccccattc	acaagcttcc
76801	gtgttctcta	acataaatatc	taaccatgtc	gccagctctg	atgtgagtc	ctggaaggga
76861	ttcccctagc	ttgatccttt	ccattcttag	atttttacat	ttgccttatt	tgtgatttat
76921	acaaaccagg	gcctaggaat	ggaaagcagg	gtcaggatgg	agattttctca	acagaaatca
76981	ataaatccag	agcccagagg	ctgaagatgg	aaaccatgat	tctatgcaga	gaattctcta
77041	ggatccagga	agggccagag	ttgagtgggt	tgaattcagt	gctagtgaag	gctgcttact
77101	cattccttcc	ataaaccttg	aggagcatgg	ctgaccctgg	taggggacag	gggagaatgt
77161	aacagtcaca	gtcactacct	ttcatacata	tggagggata	gttggtctcc	agagagtttt
77221	cccactcata	gtctccactt	atccttagcc	cagccctggg	gattctgcct	tcatttagca
77281	gatgaggaac	ctgaggctca	ggaaaagtaa	gcggcttgct	tgagttgaag	ctacaactca
77341	agaattgtcaa	aatcttgcat	tgttcacaaa	atcttctcta	tgggctgata	tgtgcttgcc
77401	gatggggact	cacagaggaa	ttcgatttga	gtcctagtcc	tctgcaacta	cccagtatgg
77461	tgtggatacc	agactaacgc	aagtcattag	gcccttgagg	ccagatctct	gtgtgattca
77521	tctgtatttc	cccggcacct	tgcacagtgt	ctagcacaga	gtagccactc	aacaaatggt
77581	tataaagat	gggttttttt	ccttgggtct	aatggaatta	tagttcacgt	gatgaatggt
77641	ataaacaggga	taggtttctaa	aaagagaaaa	gtgggaatgt	taaaaagtga	agagcagtg
77701	gggaggggag	gtggagaaag	ctcctcagag	aagatgagac	cttgcaagag	gagttaggaa
77761	agaatattct	agtcaagagc	agacagcatg	tgcagaagtg	cagaggcctg	aaaggggtgt
77821	gtgtgcccag	gacatggcat	tgaccagggg	cctgttgtgt	ggccatcgct	gtgatgtgca
77881	ctgtgaaaaga	aacaggacca	ggagacagta	ccctgtgctc	aaaggacaag	gcacagcctt

FIGURE 4-V

77941	ggaggaggac	agggacatgc	tgagaaaggc	ttccttgagc	aggggagact	tctgctgggt
78001	catgaaggat	gcttcatagt	tcgagtcaga	gaggaggaaa	gaggaaacct	cccagggtgtg
78061	aggggcctcc	ttaggcaggg	gctgtggttg	gaaggataaa	ggagaatgcc	caggcaggag
78121	agcatggtgt	gtggagggca	ggctggctcg	gtgggagggg	ctgcagagct	ccactgggtg
78181	ggctagctga	gggagtgac	cttagcgtgg	agtataaggc	ttgttctgcc	tcattggtcac
78241	tcaacacctc	atztatttcc	catcattgtg	gcctccctgg	acctgactct	gagtttggga
78301	tggatagatg	cgttgggaagg	gatctctgtg	aattatcttc	cagttcccta	gaaagccagc
78361	cccaggagag	gtgctccagc	caggctcccta	tctgcatggg	ggttttgcgt	atgtttgctt
78421	accacaaata	tatggtaagg	tttctcact	aaggtttaat	gggctaaggt	ttcctcactc
78481	tgactacagc	aaaatagatg	caaagtttga	agagaggccc	tctgcattgg	aggcaaaggc
78541	tgaggagaca	cagacctaca	cacacacaca	ccccccctca	cttcatatga	gagggtggtag
78601	gcagaatgaa	ggctccctgg	agatacccat	gtcctaatac	tatgggtgtg	atcctacctg
78661	gcaaaaggga	ctttgcagat	gtgattaagg	ttaaggactt	tcacatgggg	tgattatggc
78721	gggtgggcca	atctatttac	atgaatcctt	aaaatcagat	aaaactttcc	cagctgtggt
78781	cagaaaacaa	gacgtgacaa	ggaagaagca	tcagagagat	tctacattgc	tgactttgaa
78841	gatggaggaa	agggccatga	gccaaggaac	acagggtggc	tctagaagct	ggaaaaggca
78901	aggaaacgga	ttctccccta	gggctccag	aaagacctac	tgccacccta	atttttttt
78961	aattttttaa	tttttttgag	acagctctgc	tctgtccccc	aggctggagt	gcaatagtgg
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79141	agagacgggg	ttttgcatg	ttggtcaggc	tggtctcgaa	cccctgacct	caggatgacc
79201	gcctgcctca	gcctcccaaa	gtgctgggtg	gagccaccgc	acccggcccc	tgacacccta
79261	aattgagacg	catgttacac	ttgtaacctg	cagaactgta	agttataaag	cttggtgtgt
79321	ttgctgggca	cagtggcaca	ttcctgtagt	cccagctact	cgggaggctg	tgatagggtg
79381	gttactggat	agtgcctgtg	aatttcaggc	tcttggtgtc	ctgaacaaag	aactggacca
79441	gacacacaca	gatattaagc	acagtattac	actcttagag	ggggagagtg	gactgacctc
79501	tggcagatga	gatcaacatt	agttttgtgt	actctgggtc	tttggtgtgt	tggtgtgtgt
79561	tgtgtgtgtg	tgtgtgtgtg	tgtgtgtgtg	tgtgttctct	tcccaaggct	gcctaactct
79621	tagccagtgt	ctgccttttt	gattgataga	tggtgtgtgt	agttactttg	gcccttggtg
79681	gtcaccctca	tcccataatt	ttaagtacat	gagtgatttg	cagtcacatg	gcatgagctt
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79921	tcacctggct	tctgctccct	gcttttactc	attctgccct	tgatccaaat	tttaattccc
79981	tttgctattc	tctgctgtga	ttttccctct	tcccctgctt	caggaggatc	gcttgaaccc
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80881	gggaggcgga	gcttgacgtg	atccgagatc	gcccactgca	ctccagcctg	ggcgacagag
80941	ccagactccR	tctcaaaaaa	aaaaaaagag	ttattaccat	tgaccatgaa	caacacaggt
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81121	gtatgggggg	ctcctgggac	caatccccta	catctgttga	gggaggattg	tatttaattg
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81541	aacaatgtga	atgtacttaa	tgtgagtgtg	ctgaactgga	catgtaaaaa	ttgttaaaat
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FIGURE 4-W

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81781	atccccatct	ccatgcccca	ctccagtcga	gagccatcta	tcgcctgggc	tactgcaata
81841	actgggtagc	ttcccggcac	accacttcaa	accatacgtg	gctgcctaaa	acctttccct
81901	ggcttcccat	tgcttttagc	ctgtgagttg	aagtccttgc	caggcaagat	ctgcccttgc
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84121	cagagttctt	gtcagggtca	aacgaataca	tacatgtgat	aagggtccgc	ttctgacca
84181	aggaactgct	cagtgcacta	atctagaggc	cttgatctaa	gtactgaggg	agagaggagg
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84301	tctggggacc	ttggctctgt	attcatttcc	tgtagctgct	ataacaaatt	actacaaact
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84421	caatgtgtca	gcaggactac	attccttgtg	gaagcttcca	agaacaatca	atttccttgc
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85201	tgagcgagca	agggcaggat	ccagccggct	gctctgggca	ctggcaggag	aaatctccat
85261	gtggggcctg	cggcagtgcc	caggtggggg	tgcccatgac	ccctaagccc	cagagggagt
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FIGURE 4-X

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85441	acagcct	ttc	tgggtac	cca	cactt	gggtg	gtccc	gagcc	cttgg	ccagt	gtcca	agaag
85501	aatgagg	ttg	tgcagac	aat	tgaaga	aatga	tgaagg	tgga	gaat	tttatt	aagca	atgaa
85561	aacagct	ctc	agcagaa	agg	ggagct	ggag	aggaaa	cagg	aagg	gccagt	catct	ttcccc
85621	cgaagtc	cagg	ccatctc	ctt	tgtagt	ccag	ccatctc	ctt	ctcaa	agtc	ggttg	ctctcc
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85741	ggggagt	gca	tgctgat	tgg	ttt	gtgag	tga	aaaac	ag	gttaa	agtga	agacat
85801	caaagat	ggg	catgac	agt	tagaaa	acca	attagg	aaaag	ggtaa	agtata	tgtaaa	atatag
85861	gtgaagg	gtg	gggatca	aat	agagg	aaagc	acaaca	aatg	ggaag	acaag	tcttca	atct
85921	ggtctga	gga	tttagct	tgt	agctt	ggc	tcagg	cttta	aactg	gcttt	ggctt	ggaag
85981	tgggg	tttca	ccaggga	cca	gtccct	tattt	gcctag	gcat	ttgg	ctgc	cctgt	ccctc
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86281	acaaca	agga	ggtaaa	gaca	gctcaa	aaat	cccaag	ctctg	ctga	catg	cagata	aacta
86341	gtgag	gtatag	ttatgc	ctgc	taagat	tttgg	atgcat	ggtg	cttgg	ctttg	gtttg	ctccc
86401	ttgttt	tcat	tttcccc	aaaa	aaacct	ccag	attatg	agca	ccaca	ctcta	tttact	ctcta
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87061	tgaag	tcaa	gcttgat	tcc	ctaaa	ggaaa	gcata	accatt	ccagt	caaaa	ccttg	gtaaa
87121	ataacc	gggt	tctcc	agtta	tatct	gctg	caaa	agaaaa	tagat	tctta	ttgca	ctgat
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87421	tattcag	tta	actctt	gttc	tgctt	gatatt	tcagg	agaa	ttc	agctctt	tatga	ctcct
87481	gtatgt	tttt	cctctg	ttcc	aatgt	cacaa	tctc	caaagt	catcaga	aaac	ctgcat	ttga
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87721	ttactga	tag	catata	ctca	gacatt	tgag	tttt	tagaag	cccata	caat	taggc	ggggc
87781	accatg	gctc	atgcct	gtaa	tccc	agcact	ttggg	aggcc	gaggt	gggtg	gatcat	gag
87841	tcaagag	atc	tagacc	atcc	tggc	caacat	agtga	aaacc	tgtct	ctact	aaagt	acaaa
87901	aattag	ctgg	gcatg	gtggc	acatg	ccctgt	ag	cccagct	actc	gggag	ctgag	gggag
87961	agaatc	gctt	gaacct	gga	ggcag	agggt	gcagt	gagcc	aagatt	gtgc	cactg	caatc
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88201	gccttc	cagta	gcatc	caaaa	gttag	gggtt	agaaa	agaca	acct	tga	ac	tttga
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88321	tccagat	cac	cata	agttat	ttatt	tttagc	caaa	atgatg	actc	aaaaat	tttaa	acaa
88381	ggcaaaa	acc	tttcatt	atc	cttt	tattat	acat	gaaaat	cttct	tcgag	agaa	ag
88441	atttcac	cct	tgcat	gtaaa	tccatt	tttca	gtagt	ctcaa	ttacat	gttg	taagt	ggaac
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88681	tataac	cctta	caacatt	ttag	caa	acctagt	atctg	ac	cat	acattag	acc	catatt
88741	ttcatt	tttga	taacatt	ttgt	attt	taacaa	ttat	cttcaa	aattg	tttt	ctt	caaaa
88801	gattaa	agtc	acatga	acta	aaag	gcaata	cag	ctttt	gtt	tttcc	ctt	caaaa
88861	gatcta	agca	cttatt	tttct	ttaa	gcaaat	taga	gctctt	ttt	ttatata	aacat	caac
88921	acaaata	aaca	catat	gtgat	taca	cagaca	gaag	attcag	tag	ttgtaag	atttt	ctatt
88981	tgccaat	ctc	ctaatt	ggat	tattg	gcctc	aggg	tgga	gc	agag	gctag	
89041	gaaag	catgc	agttt	ccagg	gccta	ataaaa	cagg	catagc	tgga	agacaa	aaacag	attt

FIGURE 4-Y

89101	tgaaggggt	ctatctgctt	ttaattcctg	gggttctata	agaaaaacag	agtttttttt
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89221	tcagaagtta	tcttagggcc	tctcatgcat	gcgttaagag	tgacaagaca	aattggggaa
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89701	tcatgtcctc	catctcagca	aatcctatca	aaacatcctt	caaaagacat	gacattactc
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89821	aggctgggccc	attcacatag	acatctgtgt	caattgtttg	ctttcccttg	tccctagagt
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FIGURE 4-Z

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FIGURE 4-AA

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FIGURE 4-BB

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101821	ttgtctcaaa	aaaaaaaaaa	aaaaaagaga	gagagagaga	gtgcctgttt	ctccacaacc
101881	ttgtcaaccc	actatgccat	taaacttttg	ttttctgctc	atcttacagg	tggggaaagg
101941	gcagctcagt	gcagttttca	tctgccattg	ttctgagatc	ttccatattg	gacctattga
102001	tatgtttaat	taccaggtag	taatccattc	taggtgtaca	ttacattgaa	ttcagtctcc
102061	tactgatggg	cattggaagg	aatgggggtc	ttttatgatc	ctgacattgc	tgaaagccac
102121	aggccagtta	tttagtagaa	tactcctcca	tttggttttg	tctgtttcct	catgattcat
102181	tgaggttatg	cgttttgggc	acaaataccc	tacatgggta	tcccgtgcat	cataatggga
102241	ggcatgtggt	gtgggggttg	ctcattcctg	gtgacgttaa	ctttgatctt	tttcttgaga
102301	ttgtgtctgc	cagggtttctc	cactacactt	tcccctttgt	aactagcaaa	tatgttgtag
102361	agagagactg	gagaactaga	gatactctat	tcatacagac	acttccacct	atatgttcta
102421	gcagctgatg	gaccttaaac	atgtcttact	atgttacagc	tctttcacca	acccctcaat
102481	acttttcagt	ggtatcaact	gtaaaaacca	aacttcttca	caatagcaca	gaagaccatg
102541	cccctccttt	gagccctcaa	gccaaatctc	tcccacacca	ccccataaat	gagctccagt
102601	cacatttctc	atggtggggg	tctttgtctc	agcaactctt	tctctgcatg	cctgaaatgt
102661	tccttattaa	tcctctgcag	cctgagcact	tgtggccact	tagatcacaa	cctacaatcc
102721	ccccctaaaa	tgacttctga	ccactcaaac	tgacaaaccc	acccagctga	tttctcatca
102781	cactactcta	tgtccttgtg	cagattttta	tctactgtgt	ttgttgtcag	ccttttccct
102841	aacaaaacat	actctcccga	aagcagggtt	gtgtctgtgt	catttttatgc	tacatcccca
102901	gggtctgggt	cagtgtcctg	caccgagaat	gtgctcagta	agttaaaggaa	tcgctgcatc
102961	cattctgtca	gtcaacaatt	ccttctgagc	atccagtgca	ctggcccctg	ctggtctcag
103021	ccaacagaaa	gggaattgag	ttccttgcaa	ggtctgggtg	ggacagacag	ttctgagaac
103081	cagtgactct	tagaacaagg	agatgaggct	ttcacagagg	gaagcacaga	gtgtggtatt
103141	attctgctga	agcccaaa	ggtcagggaa	ggattccaaa	ggagtaattg	ttgccaagca
103201	caaaacagca	cagggaatgg	cattccatgg	acagggtctc	gcaagtgc	aggcttagag
103261	gtaatagaag	tgcaagcaga	attccagggt	ggctaagaga	ggttgtgtgg	ggaatgggca
103321	gcagttaagg	ccaaagaaga	aacactggat	ctgcattcct	taggacgggtg	ccctgtgggc
103381	ccctcacaga	gcttctctcc	tgcaactgct	aggtataaga	aggcaggctt	agaatcgga
103441	tgagatcagt	agtttctgca	gctgggaaga	tgagtgaggt	gagattgcat	gtgtgatagg
103501	ctggcactca	gggaagacct	cagggttctc	tcctccccac	tctgaggccc	ctctcctgct
103561	tcctgaagcc	cagagtctcc	acctctgtga	gccaaacacc	ttcctgttat	ctgcctgggc
103621	ctagggtagc	cttcgggttg	gggttagaag	gaatgccaat	ggttaacctt	gtggtattaa
103681	gcttccagct	caggcagata	ctctctggac	tgggtcaagc	tgactgcctg	actgtccctc
103741	cctgctggcc	ctagcaccca	gactccagat	aggcacacca	cctcaccctt	cagagcaggg
103801	ctctgagact	ccacaagtgg	tgaggactta	ccagaggaac	tgaacttgac	ctccaaccca
103861	accttcattt	tgctggtatt	attctgaagc	cctcatggcc	caggggcctg	cctcaggtag
103921	cagggtctcac	tcctgcagtg	gaggggccat	aaagttcagt	tcattgatcag	cccccaagcc

FIGURE 4-CC

103981	aggggcagcg	gatgacaggg	caggagttcc	atctagagga	gctcctgtgt	tcaggcggtt
104041	ctagacacct	gcctgccctt	ctcccatcag	cactggggta	taaagaagga	aagaggcctg
104101	aggtttccag	aggcctctac	ctgctgaggt	cttaagagga	ctcaaccctc	tgggaaatac
104161	aaataaaatc	ctcaaccctc	caaacaactg	aatggacacc	tcttggccaa	agagaccccg
104221	gaaaaacttt	aaaatccaag	tttcctggcc	gtgatgatag	gtcactcaca	cctcagcaca
104281	cctgcttcct	cacgaaccgt	taccaaggctt	ctttcccaag	agctaaacag	aaaccagccc
104341	tgaaaaccaa	gaacaggaga	ctccttcaact	gatttcaatt	tcaaccaatt	ccgagactcc
104401	cttccctttc	ctgattttga	catgacagct	gatcagctta	caaaacattc	ctggctgatc
104461	aatgactctc	aacctatggac	cagttctggc	tggtttacag	aggcagcaca	caaagtgcct
104521	tgggtcctgt	gtttcacatt	ttgacataca	gagcctaatt	caactgcatt	ttaatgtctc
104581	caccccggaag	tgaatatggg	acatatTTaa	catgttttat	tggtagacat	gtgtgcaact
104641	ctcatgaata	ttcataaaatc	ctcttaaaac	ttattaaata	tatatgttta	gccaaactgat
104701	ttagtgtaaa	acccctgtcc	cttcaattcc	tagcttgtag	gttgcaacc	atcaaaagaa
104761	ataaagctct	ctttccaaa	tgtaaagatc	ttatgatttt	aagccaatat	aattgaagac
104821	aagagtagga	tccatggagc	agcccagggt	ccccagcct	aagtgaatgc	acagggtgcca
104881	ggtggagcca	ttgacagctc	atttgtctcc	ctgacagctt	tgggaggaag	gtgggtaagc
104941	tctccccgat	ctaagatctc	tcacttttga	attgagatct	cgaggacttc	atttttttac
105001	ctcgatcccc	tccatccgga	ccctgcaagt	gccatctttg	ttggtcccag	gtttctagat
105061	ggggagggtt	ggggcagtta	agcctgactc	atccggcgca	tcagcccata	aggtttggtg
105121	aggatgcttg	ccctctagt	gcacacgaag	gaatgtctta	tgcttttctg	gggaatctag
105181	attctaagga	gacagtccca	gaccagctgc	catcaggaac	atgcatgttt	cagaattatg
105241	agaaaaagtc	ttgtgaatat	tttggatcct	ggaaaaaagc	taacctggaa	caatataaag
105301	atttataggc	caaaatggag	aacttttggc	agaatgtctg	acatgcctaa	attagtttat
105361	ttgcatgcac	aatagggttc	aggacctctc	agaagcaatg	ggaggtcttt	tttttttttt
105421	tttttttgag	acagagtctc	actctgtcat	ggggagtggg	gtggagtggc	acgaacatgg
105481	ctcaactgcag	cctcgacctc	ccaggctcaa	tcactctccc	acctctggct	ctcaagtagc
105541	tgggattata	ggcatgcacc	accacacccc	actaatttct	ttattttcaa	tttttaattt
105601	tttatagacc	atgctggtct	caaattcctg	gactcaagga	atcctcccac	gggagaccat
105661	ttttcagtg	tattatgaga	gctctaaaca	cagtggggag	tctcagataa	cctccttaaa
105721	tgaagtaaat	tcaaaaactga	aggagtctaa	ttcaaaaact	gaccagcata	ttcaaaccta
105781	tctgccacta	ttggacaggt	agctgaagac	actgcaaaaa	gccttatagc	ccaacaaatt
105841	gaattccctg	gctcaagtag	taatagataa	tttaattgct	tcagattttc	ttttacccaa
105901	acaaggaaga	gtctgtgcag	tggcccataa	cacctgttgc	acttacatca	acacttcagg
105961	tgaagtagaa	actcatatag	ggttgggcac	agtggctcac	acctataatc	ccagcacttt
106021	gggaggctgg	ggaggggagga	ttgcttgagc	tcaggagttt	gagaccagcc	tgagcaacat
106081	ggtgaaaccc	tatctctaca	aaaactgcaa	aaattaacca	ggcatggtgg	catatgcctg
106141	taatcccagc	tatttgggag	gctgaggcaa	gaggatcact	tgggcctggg	aggcatagg
106201	tgcagttagc	ctagatcacg	caattgtcatt	ccaaactgat	aaagcaagac	tctgtctcaa
106261	aaaaaaaaaa	agaagaaaaa	ctcatacaga	aagaatttcc	aaacaagcta	aatgattaca
106321	agaaataaaa	ctactgatcc	tatcaatgat	ctgttcagtt	ggctttctac	caaacagaaa
106381	ttcctttcaa	gatgctattg	aaggctgggc	gtggcggctc	atgcctgtaa	tcccaacact
106441	ctgggaggct	gaggcgggtg	gatcatctga	ggtcaggagt	ttgtgaccag	cttggccaac
106501	atggtgaaac	cccgtctcta	ctgaaaaata	caaaaaatta	gctgggtgtg	gtggcgacac
106561	ctgtaatccc	agctacttgg	gaggctgagg	caggagaatc	gcttgaaact	gctaggcgga
106621	gattgcagtg	aaccgagatc	acgccactgc	actccagcct	gggtgagagt	gagactccat
106681	ctcaaaaaaa	aaaaaaaaaa	aaaaagggtgc	tattgaaagt	tttgttataa	ttatagtctc
106741	catcaaaactt	ttcttcataa	catttaaatt	acttataata	tgggacaggc	atgggggctc
106801	aagcctgtaa	tcccagcact	ttgggagggtg	ggcagatcat	ttgaggtcag	gagttcaaga
106861	ccagcttggc	caacatggcg	aaacactgtc	tttactaaaa	atacaaaaat	tagccgggca
106921	tgggtggcatg	tgccgttaat	cctagctact	cgggaggctg	aggcaggaga	attgcttgaa
106981	cctgggaggc	ggaggttgca	gtgagccgag	atcacaccac	tgcactccag	cctcggcaac
107041	agagggatac	tctatctaaa	aagtaaatat	aaataaataa	ataacttata	atatgtataa
107101	ccaactgctg	taagtctgct	gcta aaaacca	gaattatgct	ggctcaatgc	atagaactta
107161	tagacaagtt	aaattggtag	ccctactttt	tggcctttat	attgcttgat	agaccttagg
107221	ggttgatgag	tacctgccc	cctctatttc	tgtctggcca	agatgttcaa	ttggtgttaa
107281	gtctcttggc	cacaagggtc	ccaccaaggg	actggatgga	tctggagcag	gtagcctcag
107341	catcctggca	acgacatggt	acaaacaatt	tggccattga	tgctgactgt	ggcagactct
107401	ggctaaaaag	aagaaatgtg	gaataaaaaag	aaaatccaaa	gacctctcaa	ctgactgaac
107461	aaacccctct	tggccaagga	gaccccgaaa	aaactttaaa	atctaggttt	cctggctatg
107521	ataagacag	aggctggtca	cacctcagta	tacctcttcc	cttactgtta	ccaggctttt
107581	ttcctaagag	ttaagcagaa	tctgtcctg	gaaaacagag	aatggaagac	tcctccgctg
107641	acttcagctt	caactgcctg	atgccatggc	cagacttcac	tctctttttg	tgatttgaca

FIGURE 4-DD

107701	cgacagctga	ccagctcaca	aagctatcct	tccatgatcag	ttcctgttaa	ccatgggctg
107761	gttctggctg	gtttacagag	gctgcacaca	aagtgccttt	gtgtcctatg	tttcaccttt
107821	tgatgtgtat	ggcctaagtc	tgcattttta	tgtaagtct	cagctgggta	tggtggctca
107881	atgcctgcaa	tcctagcact	ttgggaggcc	aaggcaagag	gattgcttga	gcctaggagt
107941	tcaagaccag	cctaggcaac	atggtgagac	cttgtctcta	tttttttaat	taaaaacaaa
108001	atacaaatat	aaaaataatt	actgttaact	ctccacccca	aagtgaacac	aggatgtatg
108061	taacatgtat	gtttgcttag	tatacatgca	tgtgactccc	tttcatgaat	attcatagct
108121	cctcctataa	cttattaata	agtatactag	ctaacctatt	tagcataaaa	ctcctgtccc
108181	acctctcctc	cctcaaagtg	cctgctttcc	atctcagcca	gaggctccac	ttcccagcct
108241	gcaggttaca	acacaatat	agtaaaagt	ttctttccaa	gtgtatacat	ctgggtattt
108301	taagtgtgata	cttcccagg	tgtccaagat	tcaggtaacag	ctcactattg	caggatacaa
108361	gctgggatct	cctgggagtt	ggtctctttg	caaatcgat	tatctctgta	tcacctttta
108421	tgaaatccta	aaagaattta	aatctgaaac	atgtgactcc	aaagattttg	aataagggaat
108481	tgtgaaccca	tggtaaactc	ctggcttaag	ggtgtccaat	tttttggctt	ccctgggtca
108541	cttgggaaga	ataagaaaagt	ttaagaaaagt	ctgtgaattt	gttttggggc	acattcaaaag
108601	ctgtcctggc	cacatgaggc	ctgagggcta	taggttggac	aagcttctag	ctggctattt
108661	ctgcattttg	tccaaatcca	tcttttaatt	attatcatta	ttattattat	tatttgagac
108721	ggagtctcgc	tctgtcaccc	aggctggagt	gcagtggcgc	gatctcagct	cactgcaagc
108781	ttccctccc	gggttcacgc	cattctcctg	cctcagcctc	ccgagtagct	gggactacag
108841	gcgcctgcca	ccacgcccgc	ctaattattt	tgtattttta	gtagagaagg	ggtttcaccg
108901	tgttagccag	gatggtcttg	gtctcctgac	ctcgtgatct	gcccacctcg	gcctcccaaa
108961	gtgctgggat	tacagggtg	agccaccgcg	tccagctgaa	acataatttt	tctctttttg
109021	gtttcacatt	tttactaaag	acaaatcatg	gtaagactga	tttgctttat	tatacttggc
109081	ctgattattt	gtgtaacgtg	cagcaagaat	acttactttt	cacataggct	ttttaagttg
109141	gctttgatgg	aactttgttt	tgtagaagaa	tctcagatta	gactttttct	tttaaggccg
109201	ggctcagggg	ctcactcctg	taatcccagc	actttgggag	gctgaggagg	gaagatcaca
109261	tcaggaggtc	aagaccagcc	tgccaacat	ggtaaaaccc	cgtctctact	aaaaaacacc
109321	aaaaactagc	caggcatggt	ggcagggtgc	tgtaatccca	gctacttggg	aggctgaggc
109381	aggagaatca	cttgaacctt	agaggcaag	gttgacgtga	gccaaatgca	caccattgca
109441	ctccagcctg	ggcgacagag	cgagactctg	tctcaaaaaa	acaaaacaaa	acaaaacaaa
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109561	gtgaattcct	cttgagaacc	caagatgatt	tggtgctcct	gggtctgtca	gagagtgcac
109621	ttctttactt	gccacaggtc	agaaaccctg	ctcaggatct	gtgtagaaaa	ggtatgaagt
109681	tagttttccc	aaggggctct	tatcagctct	ataagtcaag	tttgattcct	taaaggaag
109741	cacaccattc	cagtcaaaag	taactggttt	taactggttt	ctccaattgt	gtcctgttac
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109921	aaaccccgct	tctactaaaa	atacaaaaaa	tagctgcttg	tggtgtgtaa	ttgggtgata
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110041	tagatattca	agctctaaca	gcctgggact	ccttggggaa	aacaggaggc	gccagagaca
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110221	ttggtctatc	agaaattata	tcgcattatg	agagagtttt	gggtgtgaat	aactaggtag
110281	gaaatatact	ttaaggaatg	gctaattgaa	attatagatg	atcacgtagc	tctttgcatg
110341	tttgatttag	agaagcatgc	tcttgccac	ctggaaggta	tggaataacc	tttttttttt
110401	tttttttttt	ttttgagaca	gagtcactct	ctgtcacccc	ggctggagtg	cagtggcaaa
110461	atctcagctc	actgcaatct	ctgctcctcg	ggttcaaagg	attctcctgc	ctcagcctcc
110521	caagtagctg	ggattacagg	cacctggcac	catgcccagc	taatttttgt	atttttagta
110581	gagacggggt	ttcaccatgt	tgccagggt	ggttttgaac	tcctgacctc	agggtgatctg
110641	cctgcctcgg	cctcccaaa	tgctgggatt	ataggtgtga	gccaccgtga	ctggctggaa
110701	atatcttctt	atctccact	gagagataag	acttccacag	aagatgggct	gattccccct
110761	tttttgggga	gggatccagg	gtctggtata	aaatgggata	ttcatttttg	gggatctgtt
110821	ttgccttcca	gctgtgcctg	cttattaggg	ccaaagggtac	ttgggagctc	cagctattttg
110881	ggagactcag	gcaggagaat	cacttgaatc	caggagatag	agggtacagt	gagctgagat
110941	cacaccactg	cattccagcc	ctgtgacag	agttagactc	tgccctcaaaa	aaaaaaaaaa
111001	aaaaaaaaaa	gaaagaaaga	aaaaagagac	agattattta	gattattttat	ttacttactt
111061	tttttttgag	atgcagtttt	gctctgtgca	cccagggttg	agtgcattgg	cacgatctcg
111121	gctcactgca	acctctgcct	cccgggttca	agtgattctc	ctgcctcagc	ctcctgtagta
111181	gctgagatta	caggcacaca	ccaccacacc	cagctaattt	ttattttatt	atttttagta
111241	gagacagggt	tttgccatgt	tgccagggt	ggtcttgaac	tcctgtcctc	agggtatcca
111301	cccacctcag	cctcccaaa	tggtgggatt	acaggcgtga	gccactgcgc	ccggccaaga
111361	aacagattct	tattgcactt	atgcaataaa	ctatattgct	ataagttaag	aatactcaca

FIGURE 4-EE

111421	cctagtttcc	taattctgga	aaaatcaggt	agaaaaaaac	aaatatgttc	caaatatggt
111481	gccagaagta	tactttactg	aattgttttt	tttttttttt	ttgagacgga	gtctcgctct
111541	gtcgcccgag	ccggactgcg	gactgcagtg	gcgcaatctc	ggctcactgc	aagctccgct
111601	tcccgggttc	acgccattct	cctgcctcag	cctcccgagt	agctgggact	acaggcgccc
111661	gccaccgctc	ccggctaatt	ttttgtattt	ttagtagaga	cgggggttca	ccttggttagc
111721	caggatggtc	tcgatctcct	gacctcatga	tccacccgcc	tcggcctccc	aaagtgtctg
111781	gattacaggc	gtgagccacc	gcgcccggcc	tactgaattg	ttaaaagggtg	taaatagctc
111841	aaaatttttc	ctgactctga	aaacaaaaca	aagtttcagc	agcattttaa	gcaaagtcaa
111901	aaacatttct	tcagtcttct	atttgttcat	tccatgcagt	taactcctgt	cctgtttaat
111961	cgtcatgaac	atttcagctg	tccatgcagt	ctgaaagtgt	ttcctctatt	ctgacgtcac
112021	aatctccaaa	cttatcagaa	acctgcattc	aagagaacct	gtcaaaatcc	tatagttgat
112081	tataaaccac	cttttgaaga	ggatcaaaat	aagaaaacaa	ttgtctgtgg	ttgacagaag
112141	tcttāggaca	gccactattt	aagccacaat	tgaaaaggaa	atgtgggggt	gggcacgggtg
112201	gctcacgcct	gtaatcccag	cactttggga	ggccgaggca	ggcagatcac	ctgaggtctg
112261	ggatttgata	ccaacctggc	caacatgggtg	aaaatccgtc	tctactaaaa	atacaaaaat
112321	tagctgggga	tgggtggtgg	tgcctgcaat	cccagctact	gagagtctga	ggcaggagaa
112381	tcgcttgaac	ctgggaggtg	gagttttcag	tgagctgaaa	ttgtgccact	gtactacagc
112441	ctgggtgaca	gagtgagact	ctgtctcaaa	aaataaaaaa	gaaaaagaaa	gaaaattttg
112501	gttagttctg	tgacaacaat	tttacataac	aattatgact	attaataaca	tacactaagt
112561	tatacaggaa	ttatgggtgt	tttccataat	tttggaacat	gtccaataac	atatttatgc
112621	aaatataggc	caaagaaagc	caaatactat	ttcacatttg	acgatgcttc	ctttatggat
112681	tttatactga	ataagccaaa	tttcaccttt	acgttagtgt	actattaatg	ttaaacccaa
112741	ttctttaata	aaacctttta	gacaaattta	tttaatctta	atcagtttga	ccataaagta
112801	agattcttat	aaacttttgt	ttcctcacct	ccccagaaaa	gtggatccta	aaacttttat
112861	aaccttttac	aatttttgtg	aacgagcaga	ttaatgctct	aagaaaaacc	tggtgtgctt
112921	ttattccaat	gtttgattta	tagaaaaaat	gaataaccct	ttacttttag	ccaacatgtt
112981	cacacagaat	ttcttttatg	acattaattt	ttcacaaacc	ttccacaatt	tgttcaagcc
113041	ttcagcttta	tctcatctaa	aacaatcctt	taacctttta	atctaggcag	aaaaatccac
113101	attcccatga	cttcttataa	tcttttacca	aaaacacatt	tcactttcct	tacacacctt
113161	gcattgtaaaa	ctgatgttat	ttcccaaaga	ttactaaagg	catataaact	aaaaggctac
113221	acagttttta	tttttctaata	aaaatatgtg	attttaagctc	ttattatttt	ttaacctatt
113281	aatcaaagct	cttttatatc	tcacacacac	aacatatata	aatacacaga	ccagaagatc
113341	cagtagttgt	aagaattttc	atttgccagt	ttctttttct	ttcttttttt	ttgaatcgga
113401	gtctgtctct	gtcgcccagg	ctggagtggag	gtggcttgat	ctcggtcac	tgcaagctcc
113461	gcctcccagg	ttcacgccat	tctcctggct	cagcctcctg	agcagctggg	actacaggct
113521	tctgccacca	cgctgggcta	agtttttgta	cttttagtgg	agacgggggt	tactgtgtt
113581	agccaggatg	gtctcgatct	cctgacttcg	ttatccacct	gcctcgccct	cccaaaatgc
113641	tgggattaca	gggtgtagcc	accgcgccg	gccatcattt	gccagtttct	taattggatt
113701	actgacttta	gggtggagcc	cttgggggaa	caaggtcagg	aaagcatgca	gtttctacag
113761	cctaataagc	aggcaagctg	gaaggcaaga	cagatcccc	aaaataaggg	tcccatttta
113821	taccagatcc	tggatcccc	ccaccaaaaa	aggggaaatc	agccccctt	ccgtggaagt
113881	cttatctctc	agtgggagat	aagcgggtat	ttccatacct	tcgaagtggc	caagagcatg
113941	cttctctaata	ctaaatatgc	aaagagttta	gtattcacca	ataacttcca	ctggccattc
114001	cttaaagtat	atttcctacc	tagttactac	acaccaaagc	tctgtcataa	tacgatgtaa
114061	tttctgatac	caccaaaggt	caaaaacatc	agatactgca	atgcaaaaca	gaacagagcc
114121	ttacattttg	agaggaattt	gtcaactttc	aactcctggg	gtttcaagag	gaaaacagag
114181	tggatttttt	tttttttttc	caaaatgggtg	tctctggcac	ctcctgtttt	tcccaggagg
114241	tcataggctg	ttagagtttg	aatatcctgc	tttaatgaag	ctgactttta	accatagcac
114301	tcttaaaaaat	aaaaatcctt	taatgtctct	tattacccaa	cttcagccat	gccaaactac
114361	caatatattct	ggcttctgaa	ctttaccaaa	ggcaaaactcc	caggtactcg	gagaaaaaaa
114421	attcaagaca	gtttgtggag	ggaaagagaa	tctacaaatg	ttcagacaga	tctcaaaacta
114481	gaaaggactc	attccctaag	ctggggattg	aacctgaac	ctgggctgcc	actgtgaaaa
114541	gacagtctta	gctgctgagc	tacagcattg	ggcagtcctc	attgcccttc	ccagaaggag
114601	gctagagtca	ccaattttga	gcttgcaaa	gcttttatct	gatcaagata	attttagga
114661	gttaactatg	catgaacccc	aaaactcctg	tctgctggat	ggtagaaacg	aagagaaagt
114721	atcgccacgt	ggttacaagg	tgaagctccc	aaggacataa	aacaagacga	aagagaaatt
114781	tcatccagct	tttcagggac	cttcagcaaa	gtttataact	gatcagtttg	cttggccatt
114841	ttgaacagcg	ggcttacagg	cgtctatagt	agagacagga	ctagctggat	atcctaggcc
114901	tactaagaat	ccctaagcct	agctgggaag	gtgactgcat	ccacctttta	acacggggct
114961	tgcaacttag	ctcacacccg	accaatcagg	tagtaaagag	agctcactaa	aacgctaatt
115021	aggcaaaaac	aggaggtaaa	gaaatagcca	atcatctatc	gcctgagagc	acactgggag
115081	ggacaatgat	aggatataaa	cccaggcatt	caaaccagca	agggctaccc	tcttgagctc

FIGURE 4-FF

115141	ccctcccttt	gtatgggagc	tctgttttca	ctctattaaa	tcttgcaact	gcacactctt
115201	ctggtcagtg	tttgttacga	ctcgagctga	gctttcactt	gccgtccacc	actgctgttt
115261	gccgccatcg	cagacccgcc	gctgacttcc	acccctccag	atctggcagg	gtgtctgctg
115321	tgctcctgat	ccagttaggc	acccattgcc	gctctggatt	gggctaaagt	cttgtcattg
115381	ttcctgcacg	gctaagtgcc	cgggttcatt	ctaactcgagc	tgaacattag	tcgctgggtt
115441	ccacagttct	cttctgtgac	ccacggcttc	taatagagct	ataacagtca	ctgcatggcc
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116221	ctaacccaat	tccatccttt	acctgggtac	cccgccactt	accctagata	gccaatttgt
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116461	aatggctact	ccataggcag	ggcagtggt	tgagctgtc	cactaaggat	acttatttgt
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116581	ggccaattcc	cgttaactgag	ggttcctctc	cttttttagac	catttagggt	aacttcctga
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116701	ttataattag	catataatga	gtgatgagga	tgaccagagg	tcacttttgt	cgccatcttg
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117961	tgacatcttt	aatgttttagc	ttgtcagcct	taagtaacga	gatccagaaa	gcttgaggat
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118141	aataacataa	gcaattcatt	ggctatacat	tggtttttgt	atcacaat	ccagggaacag
118201	ataacgggtg	aggcagctag	tcagggacaa	aacgccttgg	aacaattgtc	tctgggcatg
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118321	atgtctcaca	tcatgagact	gctctgagct	atttttcttt	tctcaagctt	tataccaaat
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118561	gtcatgccct	acaaatcata	aattctcatc	agatgggttt	tatttaaccc	tatatatcat
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118741	gtcctttgtg	ggggaaaatt	ttcatctgta	aagaatctct	attaacatag	ctggatcttt
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FIGURE 4-GG

118861	gaataggaaa	cacttgatcat	ctgttggttc	taagggcagc	cactataaga	cttcaaaaga
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118981	acaaactcaa	ccaattgtca	accataaaat	gtttaaatth	acgtatagcc	tgaagccct
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119521	cctgggtaag	agtatgtagg	atctctataa	aaagctgaatt	aacgaatttt	gtaatgactg
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119821	ccaggaagcc	cataagaata	tcccactcta	tatggattca	actggaacca	ctgtggagag
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121321	taataataaaa	catgtattat	atatgtaata	gtagagacag	ggtctcacta	ttttaccag
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122161	gccaccatgc	tgggcaaatg	ttttgtattt	tttttgtaga	gatgggggtt	tgccatgttg
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122461	ttgcaaacac	atctgataaa	ggatctgtat	ccataaaaata	caaagaacac	ttacaactca
122521	gtaacaagaa	ggcagacaac	ccaatcaaat	aatgggcaaa	agaaatgaac	aaatatgtca

FIGURE 4-HH

122581	ttaaagaagg	tacacaaatt	atgaatagtt	acacgaaaag	atgctcaaca	ttattaatca
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122881	ggagaaacga	aaacaaacat	aacaaaactt	aaatatgaat	attaataata	atcatattta
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124681	ggttcagcat	gcattcaaaa	ggggtacaga	gtgaagatga	atggctaccc	atctagaaag
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125221	aaaaaaaaag	agagaatagg	aattatccgc	tcttacctat	gtttctatac	cccctacagt
125281	cagtagtctt	ggagtcttct	agacctcatt	tatgctgtgg	ggaaaagcaa	gagagatcag
125341	attgttactc	tgtctgtgta	gaaagaagta	gacataggag	actccatttt	gttatgtact
125401	aagaaaaatt	cttctgcctt	gagattctgt	taatctataa	ccttaccccc	aacctgtgtc
125461	tctctgaaac	atgtgctgtg	tcaactcaga	gttgaatgga	ttaaggcg	tgcaagatgt
125521	gctttgttaa	acagatgctt	gagggcagca	tgctccttaa	gagtcacac	cactccctaa
125581	tctcaagtac	ccagggacac	aaaaactgcy	gaaggccgca	gggacctctg	cctaggaaaa
125641	ccagatattg	tccaaggttt	ctccccatgt	gatagtctga	aatatggcct	cgtgggaagg
125701	gaaagacctg	accgtccccc	agcccgacac	ccgtaaagg	tctgtgctga	ggaggattag
125761	taaaagagga	aggaatgcct	cttgcatgtg	agacaagagg	aaggcatctg	tctcctgcct
125821	gtccctgggc	aatggaatgt	ctcgggtata	aaccggattg	tatgctccat	ctactgagat
125881	agggaaaaac	cgcttagggg	ctggagggtg	gacctgcggg	cagcaatact	gctttgtaaa
125941	gcattgagat	gtttatgtgt	atgcataatc	aaaagcacag	cacttaatcc	tttacattgt
126001	ctatgatgca	aagacctttg	ttcacgtgtt	tgtctgctga	ccctctcccc	acaattgtct
126061	tgtgaccctg	acacatcccc	ctctttgaga	aacaccacac	gatgatcaat	aaataactag
126121	ggaactcaga	ggctggcggg	atccttcata	tgctgaacgc	tggttcccag	ggtcccctta
126181	ttcttttctc	tatactttgt	ctctgtgtct	ttttcttttc	caaatctctc	gtcccacctt
126241	acgagaaaca	cccacagggtg	tgtaggggca	acccaccctt	acatatgcca	tggatactag

FIGURE 4-II

126301	catgaccttt	atccatgaaa	tgggaggctt	ggcttgattg	gcaggaatta	gccatgctca
126361	cttgacgcga	ctgtgccttt	tttttttttt	tttttttttt	tttttttgag	acagagtctc
126421	gctctgttgc	caggctgaag	tgcaagtggag	tgaactcggc	tcaactgcaac	ctccgactcc
126481	ctggttcaag	tgattctcct	gcctcagcct	cctgagtagc	tgggattaca	ggcagcgacc
126541	accatgccca	gctaattttt	gtattttttt	tttcgagatg	gagtcttgct	ctgtcgccca
126601	gtctggagtg	cagtggcatg	atctcagctc	actgcaacct	ccacctccca	gttcaagcga
126661	ttctcctgcc	tctacctccc	aagtagctag	gattacaggt	gcatgccacc	atgcctggct
126721	aatttttcta	tatttagtag	agacgggggt	tcaccgtggt	tgccaggatg	gtcccgatct
126781	cctgacctca	tgatctgccc	gccttggcct	cccaaagtgc	tgggattaca	gggtgagacc
126841	actgtgcccg	gccttgcact	gtgcctttta	accctgttta	tcatctgcct	ctgaatccct
126901	tagatccagt	tttctttcct	ggggctttga	ctcaaagctt	ggaatagaat	ttgaaacaaa
126961	aatatgtgtc	taggaagggt	tgcatggact	ccttatcata	agccaaatgc	taaggaaggt
127021	gaagctgcag	aatttgagtc	tcctccaaca	agggagagaa	aaagatgtct	gtgtcacatg
127081	ccagataatt	gggtggctata	gttatgtaag	ctaggatttg	gggtgcatggt	gcttggcctt
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127201	atcacctggc	aggatttgca	ggataattgc	tcagaactaa	aatatgtatc	cagattttta
127261	cattgacctc	cctctccttc	tttctgagct	gcagctggag	attgtcggtt	gtttcacagg
127321	aacaaggagt	gttagcctaa	aaatgtaggc	aaaaacttaa	acactaatga	ctttagaatt
127381	tattgacaaa	tgtatggtgt	tttgaaacat	aatttctctc	tctccagctc	tcatttttgt
127441	taaaaaagca	aattatggta	ggattgagtt	gtttgcaaaa	tagacttttag	tcatatactt
127501	ggcctgatta	tttgcataaa	gtgcagcaag	aataactatt	tctacataag	tcttttagat
127561	tggctttgat	ggaactctgt	tcttcaagga	atttcagaca	aaacgtttta	aaactgagcc
127621	cagccatgga	tttgtatcct	caaataacctg	taagttggat	gatcttctcg	tgtaaaggtc
127681	ccatgacaaa	tttgagctc	ctagacctgt	tagaaaagtg	cattcttggtc	caggcggtgt
127741	ggctcacacc	tgtaatccta	gcaccttggg	aggccgaggt	ggcggtatga	ccggaggtca
127801	ggagtctgag	accagcctgg	ccaacatggt	gaaacctgt	ctctacttaa	aatacaaaaa
127861	attagctggg	tgtggtggca	agtgcctgta	gtcccagcta	tttgggaaac	tgaggcagga
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127981	agcttgccga	cagagcaaga	gtctgcctca	aaaaaaaaaa	aaaaagaata	ctcacagata
128041	atttccaaat	tctggagaag	ccaggcagag	agagagaaaa	atatgcttca	aattttgttc
128101	acaggagtgt	agcttactct	agtattaaag	gccttaaaga	gttcaaaaata	attttccttg
128161	actctgagaa	acaaaacaag	gatcagcaat	attccaagca	aaagtcaaaa	aggttgcttc
128221	agctttctga	gttcagtcca	ttcagttctt	gttatgcttg	atattcgttg	acatttttag
128281	tcttcatgag	tctgtacat	tttcttttat	tccaatatca	cagtctccaa	agttatcaga
128341	aacctgtatt	tgagagcacc	tgtcagagtc	ctatagctta	ttacaaacca	actttatttt
128401	tttttgagac	aggatcttgc	tctgttgccc	aagctggaat	gcagtgggtg	gatcttggct
128461	cactgcaacc	tccacctcct	ggattccaagc	gattctcctg	ccccaacatc	ctgagtagct
128521	gggattacag	gtatgtgcca	ccatgcccgg	ctaatttttg	tatttttttt	tttttagtag
128581	agatgggggt	ttaccatgtt	gaccagggtg	gttttgaaact	cctgacctca	ggtgataccc
128641	ctgacttggc	cttccaaagt	gctgggatta	aagggtgtgag	ccactgcacc	cagccggatc
128701	aggaactttt	aacttgaaaa	catgaagttc	tctttcctaa	cttttttctt	tctttttttt
128761	tttttttttt	ttccgagaca	ggatctcact	ctgtcaccca	ggctggagtg	cagggatgcc
128821	atcacagctc	actgcagccc	tgacctcctg	ggctcaagca	atcctcccag	ctcatcctcc
128881	caaatggctg	ggactatagg	cttagaccac	catacccaac	taatttttgt	atttttgtgt
128941	gaagatgagg	tctccctatg	tttcccaggc	tggctctgat	ctcctgggct	caagcaatcc
129001	atcagccttg	gcctcccaaa	gcactgggat	tataggcatg	agccaccaag	gacggccccc
129061	taatgttttt	tatattggct	aatgagcttt	aagtttatac	atacaaggca	taaagaaata
129121	actttaaagt	tatgttatta	gatgtacagt	gatatgattt	agctctgtgt	ccccacccaa
129181	gtctcatctt	gtagctccca	taactcccat	gtgttggtga	agggacctgg	tgggagatga
129241	ttgaatcggt	gagggtgggtc	tttcccgctg	tggtctcatg	ataatgaatg	gggtcacaaa
129301	gatctgatgg	ttttaaaaac	gggagtttct	ctgcacaagc	tctctctttg	cctgggtgcca
129361	tccacataag	atgtgacttg	cttctccttg	ccttccacca	tgattgtaag	gtctccccag
129421	ccatgtggaa	ctgtaaatcc	aataaacctc	tttcgtaaat	tgccagctct	tgcataatgc
129481	tttatcagca	gcgtgaaaa	agatgaatac	agtaaatgtg	tactgggagt	ggggcattgc
129541	tgaaaagata	cccaaaaatg	tggaaagcgc	tttggaactg	gggaacaggc	agagggttga
129601	acagtttgga	gcgctcagat	gaagacagga	aaatgtggga	aagtctggag	cttctcagag
129661	acttggtgaa	gggacctgac	caaaagcctg	atagtgatat	ggacaataag	gtccaggctg
129721	aggtgggtct	agatgaagat	gaggaacttg	ttgggaactg	gagcaaaagt	aactcttgta
129781	tgtttttagca	aagagactgg	cagcattttg	tccctgccct	agagatttgc	agaactttga
129841	actcgagaga	gatggtttag	gctatctggt	ggaagaaatt	tgtttattat	tattattatt
129901	attattatta	tattattatg	tttgagatag	agtctcactc	tgtaaccagg	gccagagacc
129961	agtagcgtga	ccttggtcca	ctgcaacctt	cgctcctgta	gttcaagcgt	ttctcatgtc

FIGURE 4-JJ

130021	tcggcctccc	aagcagctga	gataacaggc	atgtgcctcc	atgcctggct	aatttttgta
130081	ttttagaaga	gacagggatt	caccacattg	gccaggctgg	tctcaaactc	ctgacctcaa
130141	atgatccaac	tcagcctcct	gaagtgttgg	aattacaggc	atgagccacc	acacctggct
130201	gcggaagaaa	tttctaagct	gcaaagcatt	caagaggtga	cttgggtgtg	gttaaaggaa
130261	ttcagtttta	taagggaagc	agagaataaa	ggttcagaaa	atttgcagcc	tgacaatgcg
130321	atagaaaaga	aaagccaatt	ttctgaggag	aaattcaagc	cagctgcaga	aatgtgcata
130381	agtaacaaga	ggaacattaa	cccccaatac	aatggggaaa	atgtctccag	ggcatgtcag
130441	aggtcttctt	ggcagcccct	ccactcacag	gccagaggc	ctaggagaaa	tggttccgtg
130501	ggccaggctc	aggggtccccg	tgctgtatgt	agcctagggg	cttgggtgcct	tgtgtcccag
130561	ctgctccagc	catggctgaa	aggggccaac	atagagctta	ggccatggct	gcagaggggtg
130621	aaagccccag	tccttggcag	cttccacgtg	gtattgagct	tgcaagtgca	cagaagtcaa
130681	gaattggggg	ttgggaacct	ccacctagat	ttcagaagat	gtatggaaat	gcctggatgc
130741	ccaggcagaa	gtttgctgca	gggggtgggtg	gctcatggag	aacctctgct	agggcagggc
130801	ggaaggga	tgtggggttg	gagctcccac	acagagtcct	tactggggca	ctgcctagggtg
130861	cagctgtgag	aagagggcca	ttgtcctcta	gccccagaa	tggtagatcc	actgacagct
130921	tgcactgttt	gcctggaaaa	gctgcagaca	ctcaatgcca	gcctgtgaaa	gcagccaggga
130981	gggaggctgt	acactgaaaa	gccacagggg	cggagctgcc	agagaccatg	ggaaccacc
131041	tcttacatta	gtgtgacctg	atatgagaga	tggagtcaaa	ggagatcatt	ttggagcttt
131101	aagatttgac	tgccctgctg	gattttggac	ttgcaggggc	ctgtagcccc	tctgttttgg
131161	ctaatttctc	ccattttgga	gtggctgtat	ttaccaata	cctgtactcc	cattgtatcc
131221	aggaagtaac	taacttgctt	ttgactttac	aggctgatag	gcagaagtgt	cttgcttttt
131281	ctttgctgag	actttggact	gtggactttt	gagttaattc	tgaaatgagt	tgagactttg
131341	ggggactgtt	gggaaggcat	gatttggttt	gaaatgtgaa	gatatgagat	ttgggagggg
131401	acagggatgg	aatgatatgg	cttggctgtg	tccccacca	aatctcatct	tgtagctccc
131461	ataattcact	catgttgtgg	gagggacctg	gtgggagatg	attgaatcat	gggggtgggt
131521	ctttcccatg	ttcttgtgag	agtgaatggg	tctcacgaga	tctgatgggt	tttaaaacag
131581	gagtttctct	gcacaagctc	tctctttgcc	tgctgtcatc	cacataagat	gtgacttgct
131641	cctccttgcc	ttctgccatt	attgtgaggt	ctcccagcc	atgtggaact	gtaagtccaa
131701	tgaacctctt	tcttttgtaa	attgctctat	ctcgggtatg	tctttatcat	tccgtgaaat
131761	ggactaatac	atacggcaat	actcaagaga	gcaagtgtgg	atagcttggg	ttcatgaggt
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131881	aaacagtatg	ctaccatttg	tgcccataaa	tgggatatgt	gtagtgtaaa	tgcatagaat
131941	ttgaccagat	gtatacccag	agaccagaac	actcagtggc	ctcatgttca	tactttggca
132001	aacacatgta	tagtatcctt	aacttaaatg	taccattggt	gtgtgcattc	tagtgttatt
132061	gacattttaca	tatctattat	caagtcagat	aaatcattct	gtgtccttgt	attttcaact
132121	cctattttgt	atatttatgt	atacatcac	acataccaat	acataattta	ataaggtata
132181	acttcacctg	gtccaaaaat	caaaaacaacg	tagaaagggt	tacagtga	ggtcgcatcc
132241	ctgatgctgt	cctcttcccc	cagggtgatca	ccttattggg	ttcttttcat	acctttcagc
132301	attttctcct	gcaagcacag	atattctaac	tcctcctttt	ttacacagaa	ttttttttta
132361	catagcatte	ttctgcacct	tccttctccc	acttcacaat	gcacatggag	atttttccgt
132421	atttgtacat	caggagcttc	ctcttctttt	gttaccacat	taaattccac	tggttagatg
132481	taccataatt	taactgggtc	cttattgaaa	gacaattgag	ctgtctccta	gacaaagcct
132541	tgtgcacctt	cccgaacaga	gggtctaacc	aagcaggcag	gatgggggtta	taaagtagggt
132601	ggggaggtgg	gagagactcc	accctcccag	gtgggctgag	gatggaggta	aggccctgca
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132721	gctcagcccc	ctcctccatt	tgccgctgac	ctgttggcct	ccccaacct	ctgagcctgc
132781	ctctgcctag	gtaatttccc	aagacccagg	aggggtgaag	ggtgagggtg	gattgcccc
132841	acctccttgc	ctcccgcagc	atctgtccca	ggaccatgaa	caatagctga	cagctccatg
132901	gcccttgctg	tcccctctc	agcttccctg	ggcatctaaa	cctcagttgc	cRtggggtag
132961	gaggacaggc	tgagggaagca	gaagcctgag	gctgtctaga	gtctcactcc	tgcatcagca
133021	ggccaccacc	tgtggttcct	ccttgtgcaa	atttgagagg	aattgcataa	aacactggag
133081	aaatccaaga	ggggaagtcc				

FIGURE 5

>1:23174301-23174600

```
1      agttggctgc cacagcctct gccaaagcttt gtctttgggg cttgctgcag aaacctggcc
61     tacggaagat acgacaccac tgggaggggt gtgtagggtgc caggggacca tcgtggttct
121    ctagggcgct gtggaaattg ggtcttgggc tgggtggcat ctggcagtca tggRtaacac
181    ttgcttttcc agttaatgtg gccatgtgat tccaagtgtc atgttgcttt gtggcaagat
241    tgttgtgtga cttgtttttt tgtttttggt ttgtgttttt taaaggaaac tatttgtggg
```

FIGURE 6-A

NM_000201 [gi:4557877] Homo sapiens intercellular adhesion molecule 1 (CD54), human rhinovirus receptor (ICAM1), mRNA

[illegible]

FIGURE 6-B

NM_001544 [gi:12545400] Homo sapiens intercellular adhesion molecule 4, Landsteiner-Wiener blood group (ICAM4), transcript variant 1, mRNA.

```
ctttttgccatgggggtctctgttccctctgtcgctgctgttttttttggcgggccgcctacccgggagttgggagcgc
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ggatcctttgagccctgaaagtcgaggttgagtgagccttgatcgctgccactgcactccagcctgggggacagagc
acgaccctgtctccaaaaataaaaataaaaataaaaataaatattggcggggaaccctctggaatcaataaaggctt
ccttaaccagc
```

FIGURE 6-C

NM_003259 [gi:12545403] Homo sapiens intercellular adhesion molecule 5, telencephalin (ICAM5), mRNA

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ccgtcctctagcccagctcctcggtcgcgctctcctcgccctctgtgctttcccgcgcgcgatgccagggcct
tcgccagggctgcgcggcgctactcgccctctgggctgctcgggcttctcgccctctcagcgggtctc
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ttatttatgtattcaactccaaggcgctcacccttcttaccatcccctcaataaagtttttataaagga
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FIGURE 7

NM_003259 [gi:12545403] Homo sapiens mitogen-activated protein kinase 10 (MAPK10), transcript variant 1, mRNA.

gagaaatggcgtggcaggggacccagcgagccagagggatTTTTGCCGCTGCTTCCTCTACCCTGTATTTCAcgca
gctctctaaattgactcagctccaggctagtgtgagaaacaccaacagcaggcccatctcagatcttccactatggca
acttatgcaagaaactgttgaattagaccggtttcctatagatgagaaaccatacaagctgtgggtatttatgagcct
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ggtaccacatggtccatttcatgtgatctattactctgacataaaacccatctgtaatatattgccagtatataagct
gttttagtttgttaattgattaaactgtatgtcttataagaaaacatgtaaagggggaatatatggggggagtgagct
ctctcagacccttgaagatgtagcttccaaatttgaatggattaaatggcacctgtatacca

Other isoforms are isoform 2 (NM_138982); isoform 3 (NM_138980); isoform 4 (NM_138981)

FIGURE 8-A

NM_015078: KIAA0861

ttgggcggagatgcctttaaaaaatcatccaccgcagcggtagaaacagttttgtttggctttatttatacggaaatgggt
tttcagtgaatgctgtcttgctttaaaagaagagatgcctccccaggagctcaccgcggcactggccacagtgatcactc
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agaccttctcatgtcccacacaaggcagcgggacaagctgcaggatgagctgaaattacttggaaagcaggggaccacat
tgctgtcatgcatccaagaaccagcaaccaaattgtcccaacagcaaaactcaatctcaaccaacttgagaatgtaactacc
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atgttttagtagacccctggcctctaccactaggtgccaggaaatgcgccaccccatcctccaccccgccccaaatcgt
gacaatcaaaaatgcctgcagacacgcccgcatttctccaggcggggtgggaatcggttgagagccgcttagcccgagc

FIGURE 8-B

cttggaggagccggagccgctcaaaccggcgggggccgcagactgggagctcccgggtccgcctcccagcatccctgcga
gcgttcacatgggggtgttcgtgttagtgccaagattgcttcgttgtagagagagttcgttccaagttactttctgaggtatt
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gacctcgtgatccccctgcctcggcctcccaaagtgtgggattacaggcgtgagccaccgcgccagccggaatttatt
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tttatttttacagtaacttatttgactattaaacactcactggaagttcatg

FIGURE 9-A

NM_006185 [gi:5453819] Homo sapiens nuclear mitotic apparatus protein 1 (NUMA1), mRNA.

gccacgaagaggtacgattccggagaatcgcgaggcagagcgggagcgcgcagccaggtggaaactaattctaagccag
actgctggagatcaccctgttctagtgtgtggaggctccaccaggagctctggagtgaatggcacgatctcggtcact
gcaacctccacctcccaggttcaagcgatttctctgctcagctcccaagtagctgggattacaggcgcatgtgagtga
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ggctgaccagggagcggggccgtgccaggctgaccttgccctggagaaggcggccagagcagagcttgagatggcgctg
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acagagccaacaggccccaagctggaagcactgcgggcagaggtgagcaagctggaacagcaatgccagaagcagcagga
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FIGURE 9-B

agggccagtttagaggagaaggccccaggagctagggcacagtcagagtgcccttagccctcgGCCAACGGGagttggctgcc
ttccgcaccaaggtacaagaccacagcaaggctgaagatgagtggaaggccccaggtggcccggggcccggcaagaggctga
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caggacggatgggcccctgtgtctcaggagtggttgggggacagccttcagcagcagctcacaccctaccttcccaga
cttgactgggggtgggatttgagtgatgggaagggttttaaggcgccgggatggatcttttctaaatgttattactgt
aaataaagtctatttt

FIGURE 10A

NP_000192 [gi:4557878] intercellular adhesion molecule 1 precursor; CD54 [Homo sapiens]

MAPSSRPALPALLVLLGALFPGPGNAQTSVSPSKVILPRGGSVLVTCSTSCDQPK
LLGIETPLPKKELLPGNNRKVYELSNVQEDSQPMCYSNCPDGQSTAKTFLTVY
WTPERVELAPLPSWQPVGKNLTLRCQVEGGAPRANLTVVLLRGEKELKREPAV
GEPAEVTTTTLVRRDHHGANFSCRTDLRPQGLELFENTSAPYQLQTFVLPATP
PQLVSPRVLEVDTQGTVVCSLDGLFPVSEAQVHLALGDQRLNPTVTYGNDSFSA
KASVSVTAEDEGTQRLTCAVILGNQSQETLQTVTIYSFPAPNVILTKPEVSEGTEV
TVKCEAHPRAKVTLNGVPAQPLGPRAQLLLKATPEDNGRSFSCSATLEVAGQLI
HKNQTRELRVLYGPRLDERDCPGNWTWPENSQQTPMCQAWGNPLPELKCLKD
GTFPLPIGESVTVTRDLEGTYLCRARSTQGEVTREVTNVNLSPRYEIVIITVVAAA
VIMGTAGLSTYLYNRQRKIKKYRLQQAQKGTMPMKPNTQATPP

FIGURE 10B

NP_001535 [gi:4504561] intercellular adhesion molecule 4 isoform 1 precursor; Landsteiner-Wiener blood group protein [Homo sapiens].

MGSLFPLSLLFFLAAAYPGVGSALGRRTKRAQSPKGSPLAPSGTSVPFWVRMSPE
FVAVQPGKSVQLNCSNSCPQPQNSSLRTPLRQGKTLRGPGWVS YQLLDVRAWSS
LAHCLVTCAGKTRWATSRITAYKPPHSVILEPPVLKGRKYTLRCHVTQVFPVGY
LVVTLRHGSRVIYSESLERFTGLDLANVTLT YEFAAGPRDFWQPVICHARLNLDG
LVVRNSSAPITLMLAWSPAPTALASGSIAALVGILLTVGAAYLCKCLAMKSQA

FIGURE 10C

NP_003250 [gi:12545404] intercellular adhesion molecule 5 precursor;
telencephalin [Homo sapiens].

MPGPSPGLRRALLGLWAALGLGLFGLSAVSQEPFWADLQPRVAFVERGGSLWL
NCSTNCPRPERGGLETSLRRNGTQRGLRWLARQLVDIREPETQPVCFRCARRTL
QARGLIRTFQRPDRVELMPLPPWQPVGENFTLSCRVPGAGPRASLTLTLLRGAQE
LIRRSFAGEPPRARGAVLTATVRLARREDHGANFSCRAELDLRPHGLGLFENSSAP
RELRTFSLSPDAPRLAAPRLLEVGSERPVSCTLDGLFPASEARVYLALGDQNLSPD
VTLEGDAFVATATATASAEQEGARQLICNVTLGGENRETRENTIYSFPAPLLTL
SEPSVSEGQMVTVTCAAGTQALVTLEGVPAAVPGQPAQLQLNATENDDRRSFFC
DATLDVDGETLIKNRSAELRVLYAPRLDDSDCPRSWTWPEGPEQTLRCEARGNP
EPSVHCARSDGGAVLALGLLGPVTRALSGTYRCKAANDQGEAVKDVTLTVEYA
PALDSVGCPERITWLEGTEASLSCVAHGVPPPDPVICVRSGELGAVIEGLLRVARE
HAGTYRCEATNPRGSAAKNVAVTVEYGPREFEPCPSNWTWVEGSGRLFSCEV
DGKQPQSVKCVGSGGATEGVLLPLAPPDPSPRAPRIPRVLAPGIYVCNATNRHGS
VAKTVVVS AESPPEMDESTCPSHQTWLEGAEASALACAARGRPSPGVRCSREGIP
WPEQQRVSREDAGTYHCVATNAHGTD SRTVTVGVEYRPVVAELAASPPGGVVRP
GGNFTLTCRAEA WPPAQISWRAPPGALNIGLSSNSTLSVAGAMGSHGGEYEC
RTNAHGRHARRITVRVAGPWLWVAVGGAAGGAALLAAGAGLAFYVQSTACKK
GEYNVQEAESSGEAVCLNGAGGGAGGAAGAEGGPEAAGGAESP AEGEVFAIQ
LTSA

FIGURE 11

NP_002744 [gi:4506081] mitogen-activated protein kinase 10 isoform 1; JNK3 alpha protein kinase; stress activated protein kinase beta; MAP kinase; c-Jun kinase 3; c-Jun N-terminal kinase 3; stress activated protein kinase JNK3 [Homo sapiens].

MSLHFLYYCSEPTLDVKIAFCQGFDKQVDVSYIAKHYNMSKSKVDNQFYVSVEVG
DSTFTVLKRYQNLKPIGSGAQQGIVCAAYDAVLDRNVAIKKLSRPFQNTAKRA
YRELVLMKCVNHKNIISLLNVFTPQKTLEEFQDVYLVMEMLMDANLCQVIQMELD
HERMSYLLYQMLCGIKHLHSAGIIHRDLKPSNIVVKSDCTLKILDFGLARTAGTSF
MMTPYVVTRYRAPEVILGMGYKENVDIWSVGCIMGEMVRHKILFPGRDYIDQ
WNKVIEQLGTPCEPFMKKLQPTVRNYVENRPKYAGLTFPKLFPDSLFPADSEHN
KLKASQARDLLSKMLVIDPAKRISVDDALQHPYINVWYDPAEVEAPPPQIYDKQ
LDEREHTIEE WKELIYKEVMNSEKTKNGVVKGQPSPSAQVQQ

Additional isoforms are isoform 2 (NP_620448); isoform 3 (NP_620446); isoform 4 (NP_620447)

FIGURE 12

NP_055893: KIAA0861

MLSCLKEEMPPQELTRRLATVITHVDEIMQQEVRPLMAVEIIEQLHRQFAILSGGR
GEDGAPIITFPEFSGFKHIPDEDFLNVMTYLTIPSVEAASIGFIVVIDRRRDKWSSV
KASLTRIAVAFPGNLQLIFILRPSRFIQRFTTDIGIKYYRNEFKTKVPIIMVNSVSDL
HGYIDKSQLTRELGGTLEYRHGQWVNHRTAIENFALTLLKTTAQMLQTFGSCLAT
AELPRSMSTEDLLMSHTRQRDKLQDELKLLGKQGTTLLSCIQEPATKCPNSKLN
LNQLENVTTMERLLVQLDETEKAFSHFWSEHHLKLNQCLQLQHFEHDFCKAKL
ALDNLLEEQAFTGIGDSVMHVEQILKEHKKLEEKSSQEPLKAQLLALVGDQLIQ
SHHYAADAIRPRCVELRHLCDDFINGNKKKWDILGKSLEFHRQLDKVSQWCEAG
IYLLASQAVDKCQSREGVDIALNDIATFLGTVKEYPLLSPKFYNFELLTLDK
AKAQKVLQRLDDVQEIFHKRQVSLMKLAQKQTRPVQPVAPHPESSPKWVSSKTS
QPSTSVPLARPLRTSEEPYTETELNSRGKEDDETKFEVKSEEIFESHHERGNPELEQ
QARLGDLSPRRRIIRDLLTEEEIYIKEIKSIIDGYITPMDFIWLKHLIPDVLQNNKDF
LFGNIRELYEFHNRTFLKELEKCAENPELLAHCFLKRKEDLQIYFKYHKNLPRAR
AIWQECQDCAYFGVCQRQLDHNLPFKYLGKPSQRLIKYQMLLKGLLDFESPED
MEIDPGELGGSAGDKGPKRTKDSAFSTELQQALAVIEDLIKSCELAVDLAAVTECP
DDIGKLKGLLLHGPFVWTIHKDRYKMKDLIRFKPSQRQIYLFERGIYFCKIRMEP
GDQGLSPHYSFKKTMKLMTLSIRQLGRGSHRKFEIASRNGLEKYILQAASKEIRD
CWFSEISKLLMEQQNNIKDQGNPQFEMSTSKGSGAGSGPWIKNMERATTSKEDP
ASSTGGIKGCSSREFSSMDTFEDCEGAEDMEKESSALSLAGLFQSDDSHETCSSKS
AFLERGESSQGEKEERDEEETATRSTEEERAGASTGRLAPAGATAGFQARALRPR
TSAQES

FIGURE 13

NP_006176 [gi: 5453820] nuclear mitotic apparatus protein 1 [Homo sapiens].

MTLHATRGAALLSWVNSLHVADPVEAVLQLQDCSIFIKIIDRIHGTEEGQQILKQP
VSERLDFVCSFLQKNRKHPSSECLVSAQKVLEGSELELAKMTMLLLYHSTMSS
KSPRDWEQFEYKIQAEALAVILKFVLDHEDGLNLNEDLENFLQKAPVPSTCSSTFP
EELSPPSHQAKREIRFLELQKVASSSSGNNFLSGSPASPMGDILQTPQFQMRRLKK
QLADERSNRDELELELAENRKLLTEKDAQIAMMQQRIDRLALLNEKQAASPLEP
KELEELRDKNESLTMRLHETLKQCQDLKTEKSQMDRKINQLSENGDLSFKLRE
FASHLQQLQDALNELTEHHSKATQEWLEKQAQLEKELSAALQDKKCLEEKNEIL
QGKLSQLEEHLSQLQDNPPQEKGEVLGDVLQLETLKQEAATLAANNTQLQARV
EMLETERGGQQAELLAERGHFEEKQQLSSLITDLQSSISNLSQAKEELEQASQA
HGARLTAQVASLTSELTTLNATIQQQDQELAGLKQQAQEKQAQLAQTLQQQEQ
ASQGLRHQVEQLSSSLKQKEQQLKEVAEKQEAQRQDHAQQLATAAEEREASLR
ERDAALKQLEALEKEKAALKLEILQQQLQVANEARDSAQTSVTQAQREKAELSRK
VEELQACVETARQEQHEAQAQVAEELQLRSEQQKATEKERV AQEKDQLQEQL
QALKESLKVTKGSLEEEKRRAADALEEQQRCSISELKAETRSLVEQHKRERKELEE
ERAGRKGLEARLLQLGEAHQAETEVLRLRELAEMAAQHTAESECEQLVKEVAA
WRDGYEDSQQEEAQYGAMFQEQLMTLKEECEKARQELQEAKEKVAGIESHSEL
QISRQQNKLAELHANLARALQQVQEKEVRAQKLADDLSTLQEKMAATSKEVAR
LETLVRKAGEQQETASRELVKEPARAGDRQPEWLEEQQGRQFCSTQAALQAME
REAEQMGNELERLRAALMESQQGQQEERGQQEREVARLTQERGRAQADLALEK
AARAELEMRLQNALNEQRVEFATLQEALAHALTEKEGKDQELAKLRGLEAAQI
KELEELRQTVKQLKEQLAKKEKEHASGSGAQSEAAGRTEPTGPKLEALRAEVSK
LEQQCQKQQEQADSLERSLEAERASRAERDSALETLQGQLEEK AQELGHSQSAL
ASAQRELA AFR TKVQDH SKAEDEWKAQVARGRQEAERKNSLISSLEEEVSILNR
QVLEKEGESKELKRLVMAESEKSQKLEESCACCRQRQPATVPQLQNAALLCGRR
CRASGREAEKQRVASENLRQELTSQAERA EELGQELKAWQEKFFQKEQALSTLQ
LEHTSTQALVSELLPAKHLCQQQLQAEQAAA EKRHREELEQSKQAAGGLRAELLR
AQRELGELIPLRQKVAEQERTAQQLRAEKASYAEQLSMLKKAHGLLAEENRGLG
ERANLGRQFLEVELDQAREKYVQELAAVRADAETRLAEVQREAQSTARELEV
TAKYEGAKVKVLEERQRFQEERQKLTAQVEELSKKLADSDQASKVQQQKLKAV
QAQGGESQQEAQR FQAQLNELQAQLSQKEQAAEHYKLQMEKAKTHYDAKKQQ
NQELQEQLRSLEQLQKENKELRAEAERLGHELQQAGLKTKEAEQTCRHLTAQV
RSLEAQVAHADQQLRDLGKFQVATDALKSREPQAKPQLDLSIDSLDLSCEEGTPL
SITSKLPRTPDGTSPGEPASPISQRLPPKVESLESLYFTPIPARSQAPLESSLDSL
DVFLDSGRKTRSARRRTTQIINITMTKKLDVEEPDSANSSFYSTRSAPASQASLRA
TSSTQSLARLGSPDYGNSALLSLPGYRPTTRSSARRSQAGVSSGAPPGRNSFYMG
TCQDEPEQLDDWNRIAELQQRNRVCPPHLKTCYPLESRPSLSLGTITDEEMKTGD
PQETLRRASMQUIQIAEGTGITTRQQRKRVSLEPHQGPGTPESKKATSCFPRPMT
RDRHEGRKQSTTEAQKKAAPASTKQADRRQSM AFSILNTPKKLGNSLLRRGASK
KALSKASPNTRSGTRRSPRIATTTASAATAAAIGATPRAKGKAKH

FIGURE 14

ICAM1, ICAM4 and ICAM5 Region

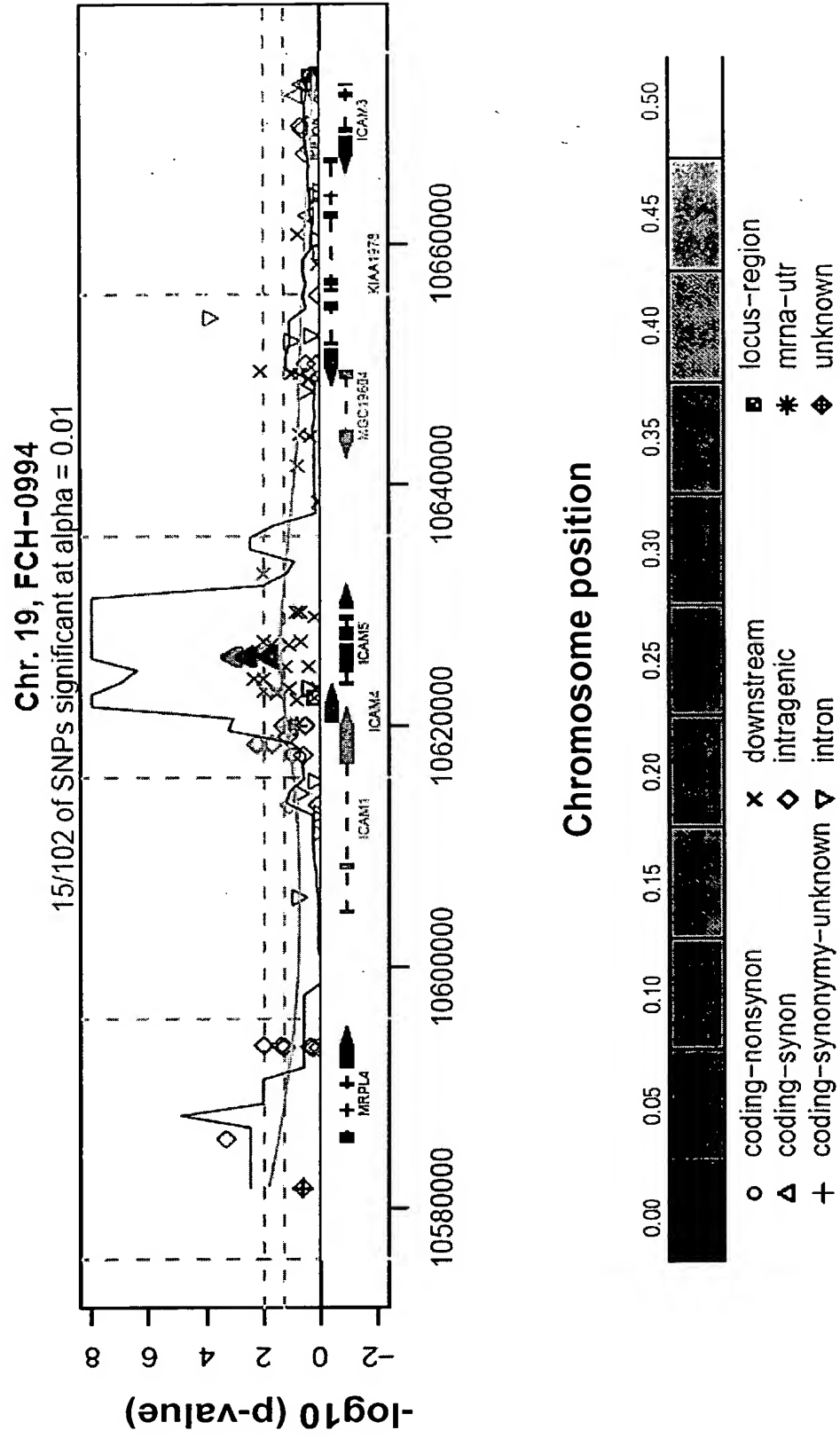
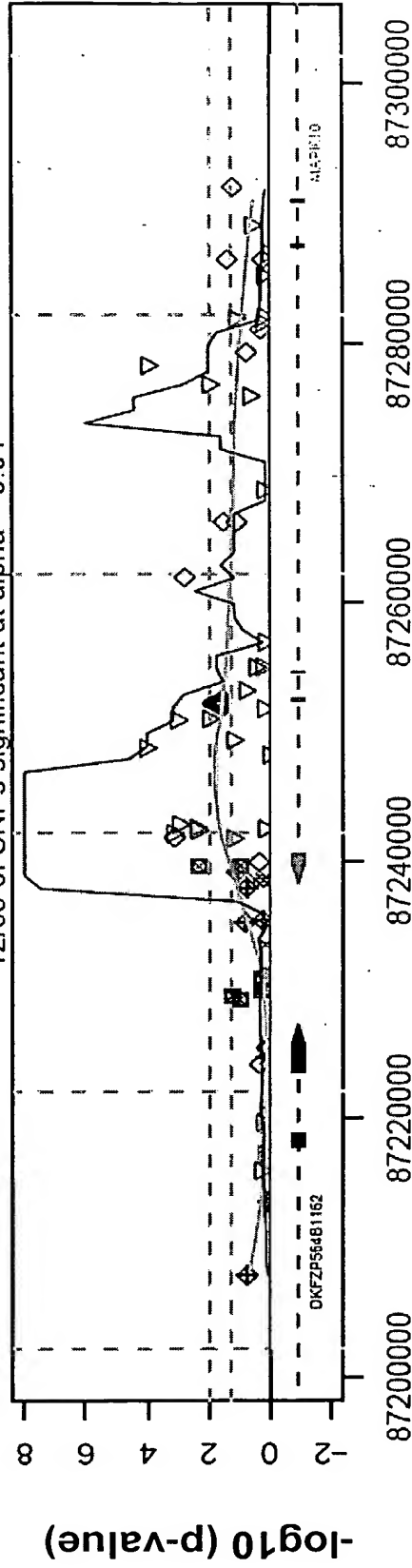


FIGURE 15

MAPK10

Chr. 4, GP04_091348915

12/65 of SNPs significant at $\alpha = 0.01$



Chromosome position

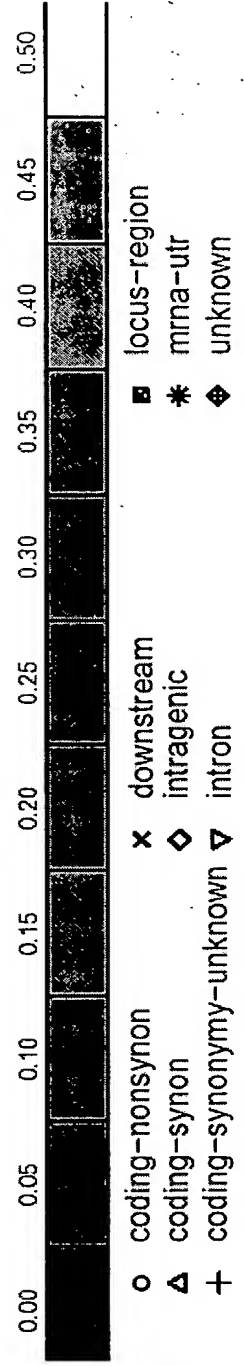
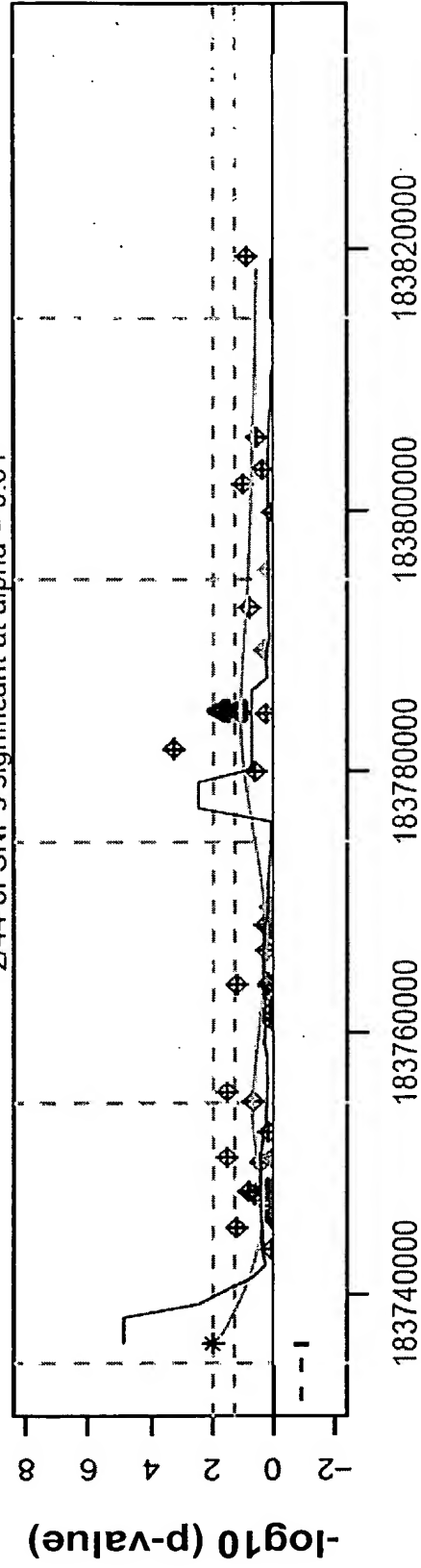


FIGURE 16

KIAA0861

Chr. 3, GP03_197942797
2/44 of SNPs significant at $\alpha = 0.01$



Chromosome position

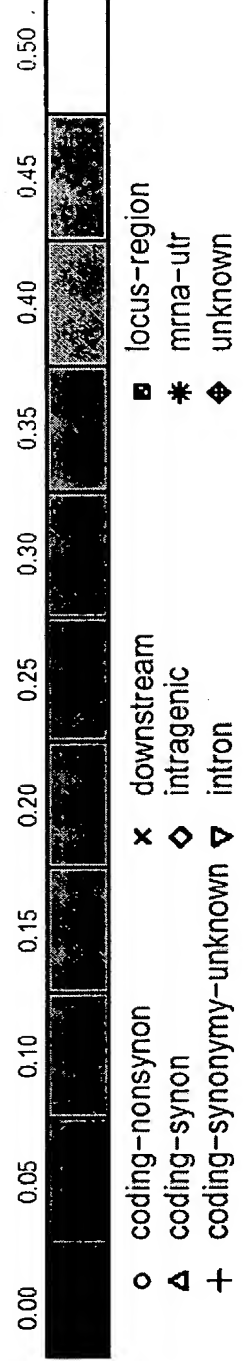


FIGURE 17

NUMA1/FLJ20625/LOC220074 region

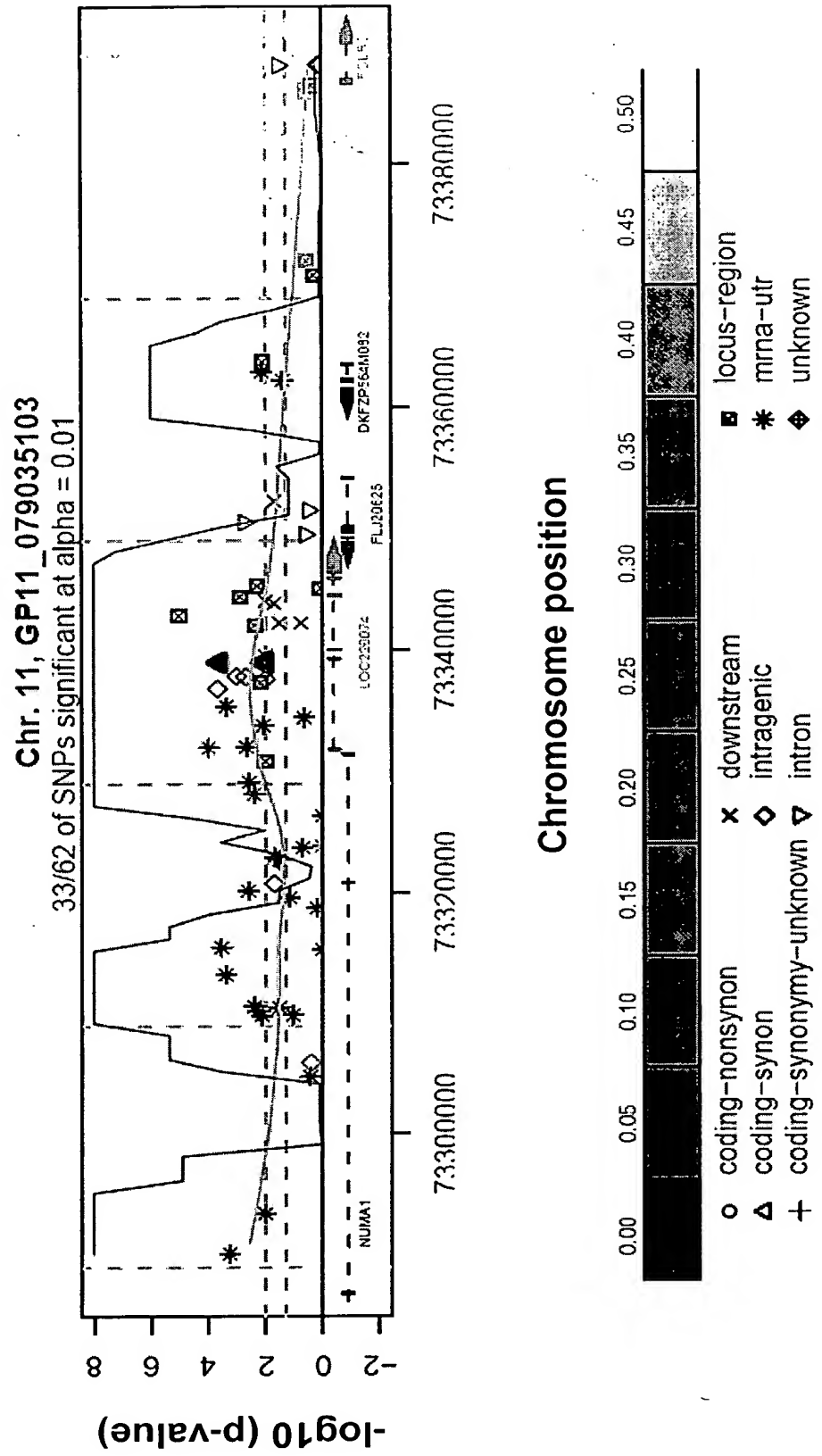


FIGURE 18

ICAM region Meta Analysis

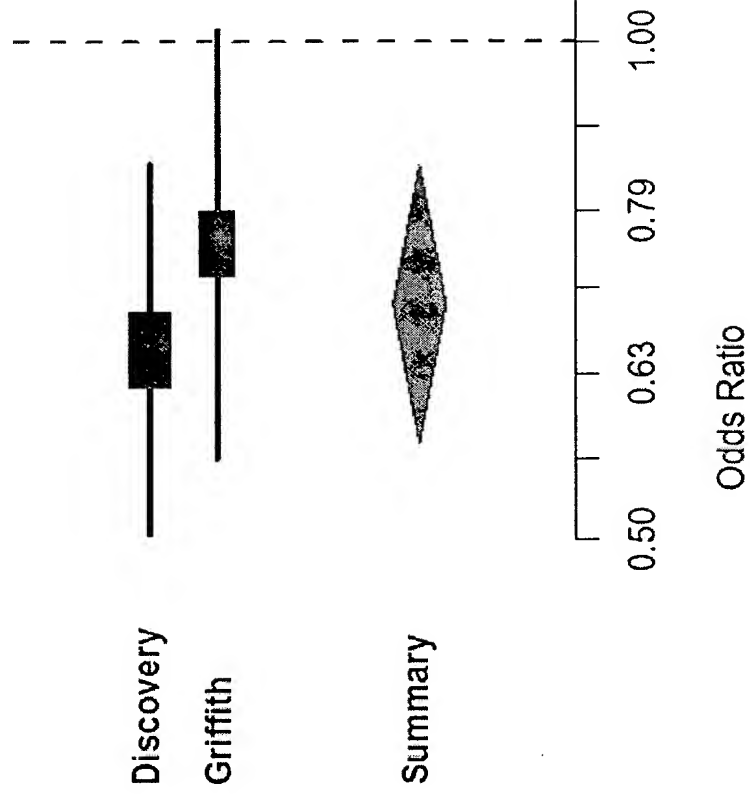


FIGURE 19

MAPK10 Meta Analysis

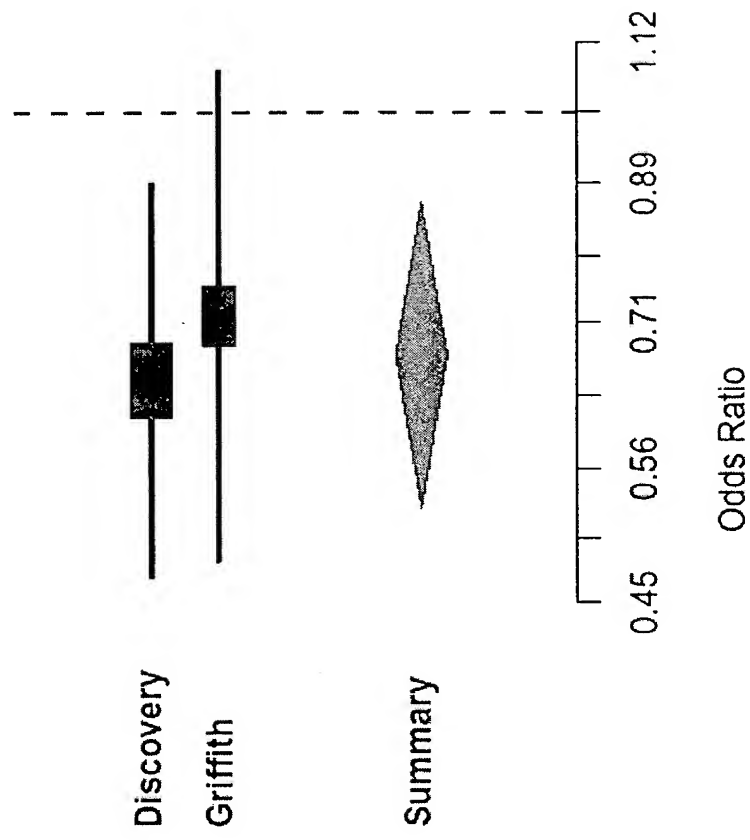


FIGURE 20

KIAA0861 Meta Analysis

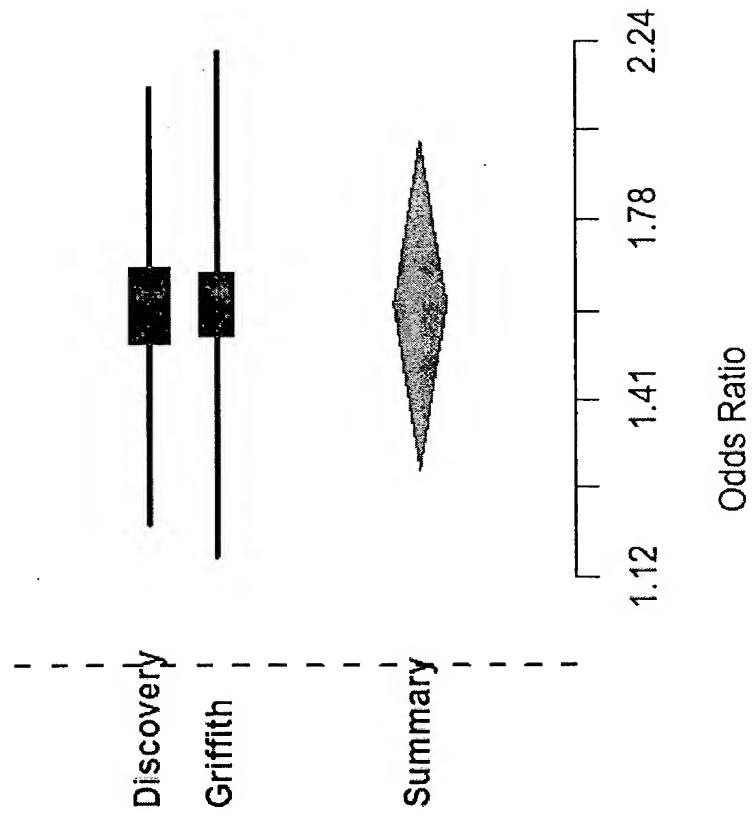


FIGURE 21

NUMA1/LOC220074/FLJ20625 Meta Analysis

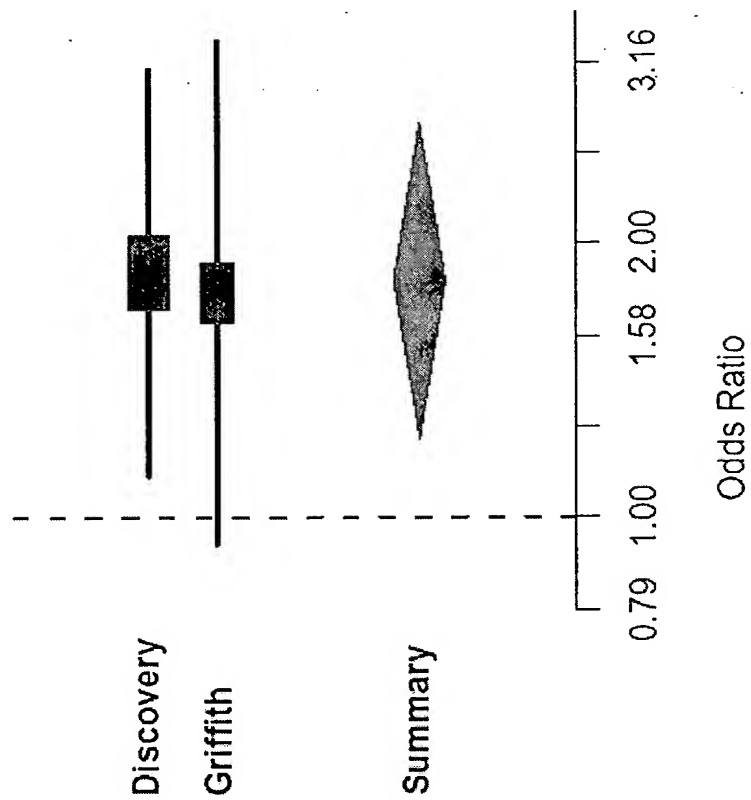


FIGURE 22

ICAM1 in MCF7 cells

